A Project to Define Monkfish Trawl Gear and Areas that Reduce Groundfish Bycatch and to Minimize the Impacts of Monkfish Trawl Gear On Groundfish Habitat

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Introduction
Project summary

Monkfish, unlike most other finfish, have a scaleless skin that is slippery and a large head tapering to a narrow tail. They reside on the ocean floor and can be found from inshore waters out to 435 fathoms (Richards, 2000). An exploratory analysis of selectivity patterns of trawls and scallop dredges was performed for the SARC 31. In addition, the NMFS 2001 Cooperative Goosefish Survey included video camera observations of trawling to evaluate the catchability of monkfish by the three different nets used in the cooperative survey (standard trawl gear). These videos showed no escape responses by the monkfish or herding behavior in response to the gear. The monkfish flip up into the water column when hit by the tickler chain and drift passively into the net (NEFSC, 2002). We aimed at expanding on this work by designing and testing gear that will reduce by-catch of both groundfish and undersize monkfish

The goal of this project was to collect observer-based data for use by the NEFMC and the NMFS to determine whether seasonal access to a specific area in the monkfish NFMA can be allowed using trawl gear designed to minimize the bycatch of groundfish and small monkfish, and to minimize the impact of monkfish trawl gear on groundfish habitat.

Purpose

Monkfish, also know as goosefish or angler (*Lophius amicanus*), saw a steady increase in landings from the late 1980s and early 1990s. Landings since 1993 have fluctuated near 26,000 mt (NEFSC, 2002). Trawls, scallop dredges and gillnets are the primary gear types used to catch monkfish, with trawl gear landing about 75% of total landings (NEFMC, 2001).

Beginning in January 2000, the New England and Mid-Atlantic Fishery Management Councils (NEFMC and MAFMC) have jointly managed the monkfish fishery, with the New England Management Council having lead authority. The first framework adjustment to the Monkfish Fishery Management Plan (FMP) was completed in February 2002 and specified optimum yield (OY) and management area catch targets (TAC) for Year 4 of the rebuilding plan, starting May 1, 2002 (NEFMC, 2002). In Framework 1 to the FMP, the Councils recommended delaying the default measures that would have eliminated the directed monkfish fishery and reduced incidental catch limits.

The vast majority of monkfish limited access permit holders also possess multispecies or scallop limited access permits. Current gear restrictions for monkfish differ between permit categories and are based on the type of gear and the other permits the vessel possesses. If fishing on a multispecies DAS, a trawl net must have the minimum mesh size allowed under for under the NE

Multispecies FMP, currently 6.5 inch diamond or 6.5 inch square. However, gillnets fishing on a monkfish DAS and trawl nets on a monkfish DAS only (not combined with a scallop or multispecies DAS), have minimum mesh size of 10-inch diamond mesh and 10-inch square/12-inch diamond, respectively (50 CFR Part 648.91). The current minimum size for monkfish tails is 11 inches (28 cm) and for whole monkfish is 17 inches (43 cm) within the northern region (Gulf of Maine and northern Georges Bank.) In the southern region (southern Georges Bank and Mid-Atlantic) the minimum sizes are 14 inches (35.5 cm) for monkfish tails and 21 (53.5 cm) inches for whole monkfish.

The Monkfish SAFE Report for the FY 2001 (NEFMC, 2002), describes the bycatch in the monkfish fishery in relation to trip type, i.e. 'directed' vs. 'non-directed' and to gear used. In directed trips using trawl standard gear, discard of monkfish accounted for 20% of all discarded species by weight. The discard ratio (monkfish discarded/monkfish landed) was approximately 25%. Most of these discards were 'regulatory', i.e. individuals were below the minimum landing size. In non-directed trips, monkfish accounted for 6% of all discards by weight, but the discard ratio was very high, equal to the amount landed. Interestingly, in directed gill nets using meshes larger that 10", most monkfish discards were due to damage from other fish, while discards in gill nets with meshes smaller than 10" were due to size limits.

It is clear that the directed monkfish fishery is a lucrative and important fishery (see Anon., 1997, 2000). It is also clear that there is bycatch and discard of undersized monkfish and other groundfish species in the fishery. In order to maintain and improve the fishery there is a clear need to design and test fishing gear that will reduce by-catch of both groundfish and undersize monkfish while maintaining catch of target fish.

Project objectives:

1. Utilize up to 10 commercial multispecies vessels to complete two simultaneous research trips/month for 5 months with 100% observer coverage.
2. Document and analyze the quantity and composition of catch and bycatch of all species, both spatially and temporally.
3. Provide statistical analyses of the catch quantity and composition between the conventional trawl gear and the experimental trawl gear used by participating vessels.
4. Secure NOAA Fisheries approval to conduct an experimental fishery in portions of the monkfish NFMA during the months of November through March.
5. Provide a report to NEFMC and NOAA Fisheries with information necessary to assess the feasibility of de-coupling monkfish and groundfish DAS, and allowing seasonal access by monkfish trawl fishermen to the proposed areas.

Methodology

Trawl Design

The first experimental net consisted of a large mesh body and extension, made of 12" diamond meshes, to which a composite large mesh codend was attached. The composite large mesh codend was made of a top panel of 8 1/2" square mesh, and a bottom panel of 8 1/2" diamond mesh. This net was designed on the basis of morphological measurements of monkfish made by the principle investigators in other cooperative research projects. The aim was to design a mesh size and shape which was able to harvest certain target species (in this case monkfish) while releasing other species. The control net was an industry standard 6" diamond body and a 6 ½" diamond codend, as currently used in the monkfish fishery.

Figure 1 shows the experimental net constructed for use in the project.

A second experimental net was tested in November 2004, made of 12" diamond mesh with a 12" square mesh codend (Figure 2).

Approach

The experiment was designed to take place between the months of November 2003 through March 2004, for a total of 5 consecutive months. However, because of delays imposed by permit and other scheduling issues, the first sampling trips did not take place until March 2004. This was followed by an interruption between April and October and sampling resumed in November

2004. The boundaries of the experimental area were within the monkfish NFMA (Figure 3).

- In each month, two vessels sampled the area within the experimental boundaries.
- The study area was divided into 20 equal sized boxes, each box measuring 180 square nautical miles. Boxes were sampled using both vessels in a side by side fashion.
- The number of boxes sampled in each month varied due to weather conditions (see below for more details) and to permanent and rolling closures.
- One vessel used conventional trawl gear currently in use by vessels that fish in the NFMA for monkfish on a groundfish DAS. The second vessel towed the experimental gear, i.e. for the months of December, January and February, a 12" diamond mesh net with a composite large mesh codend; for the month of November, a 12" diamond mesh net with a 12" square mesh codend.
- Tow length was standardized at 2 hours.
- In order to best utilize available time, fishing operated on a 24 hour basis.
- The experimental protocol required that the two vessels entered the experimental area at the same time and conducted parallel tows, synchronizing time of shooting and hauling. Vessels then moved sequentially from station to station.
- The catch was weighed by species and all commercially important species were measured, weighed, and all undersized fish returned to the sea immediately after processing scientific information.
- The targeted monkfish were kept at a size of 40 cm, all under this size were weighed, measured and released.
- Underwater camera work was conducted on both the experimental large mesh and control trawl. Particular hauls on which video took place was dependant on natural light, depth, sea conditions and available setup time.

It is important to note that the second leg of the project started in November 2004. In the time period when the net was not in use, it was kept in a commercial storage facility in Portland Maine along with other commercial nets. During November 2004, a different net was delivered to the vessel by mistake and this was not immediately realized by the fishing vessel's crew or scientific staff. At the time this mistake was revealed, the vessels had already started sampling and it was impossible to rectify the mistake. As a result, the experimental net used in this survey month was different than that used in all survey months, with a codend made of 12" square meshes, rather than 8 ½" square meshes.

Throughout the project, boxes 4 and 5 were not surveyed because of their position inside Cashes Ledge permanent closure. Table 1 details the fishing vessels used and which boxes were surveyed in each month. Figure 4 shows monthly maps of the boxes surveyed. The variability of boxes surveyed between months is due in part to severe weather conditions and in part to unfishable areas along the eastern edge of the survey area, which made it impossible for some vessels to safely sample the area.

Table 1 Monthly breakdown of vessels used and boxes completed.

Survey Month	F/V Control	F/V Experimental	Boxes Sampled
March 2004	*Titan*	*Theresa & Alyson*	1-3, 6-10
November 2004	*Kirsten Lee*	*Bethany Jean*	1, 2, 6-15, 18-19
December 2004	*Julie D*	*Jamie & Ashley*	6, 9, 11-15, 17, 19
January 2005	*Capt'N Jake*	*Olympia*	1-3, 6-20
February 2005	*Olympia*	*Drake*	1-3, 6-19

Trip and Haul Info

Table 2 shows the location (block number and coordinates), timing, characteristics (depth, tow speed, wire out), total weight, as well as discard and kept weights, and Catch Per Unit Effort (CPUE) for each haul. Since the November trip utilized an experimental net with a codend made of larger meshes than in the other trips, the data from November are kept separate from data from the other trips. Also, please note that the very last haul in the experimental treatment in February, shown in italics, had to be considered invalid because the catch included a large boulder (total estimated weight 3000 lbs).

At the bottom of each subsection of Table 2, basic descriptive statistics illustrate that the experimental net caught consistently less than the control net (approximately 32% of the control net total catch in November and 37% in the other months). In November, the bycatch rate for the experimental codend was 8% of the total catch, compared to 29% in the control codend. In the other months the bycatch rate was similar between the control and the experimental net, around 18% of the total catch.

The weight of the catch was variable between hauls, for kept and discard, in both control and experimental treatments as is to be expected due to variability in distribution of fish both spatially and temporally. There were also obvious differences between trips again due to variability in distribution of fish.

Table 3 shows the weight, in pounds, for each species haul by haul, and the mean weight for each species in all hauls pooled together. Haul by haul discard

and kept weights are also presented for each species. Table 3 comprises of four separate sub-tables, one for each month. It is immediately obvious that, in all months, the experimental treatment catches nearly exclusively monkfish, with minimal bycatch, compared to the control net[1].

Table 4 shows the number of individuals caught for each of the commercially important species, haul by haul. Total numbers and mean/per haul are also presented for all hauls pooled together. Table 4 comprises of four separate sub-tables, one for each month. The same observations done for the weights in table 3 apply to the numbers in table 4. In addition, it is also interesting to note that the monthly number of monkfish caught in November and December was considerably lower than that the monthly number in January and February.

Results

Total Catch Analysis

The control net caught, kept and discarded significantly more fish (t-test $p<.05$) in terms of both weight and number of individuals, than the experimental trawl. Table 5 displays the average catch by weight and number, for each month and for pooled data. Figure 5 displays the total catch, kept catch, discarded catch for the control and experimental net by weight. It is important to note that the pooled data does not include the month of November as the experimental gear had different characteristics from the experimental gear used in the other months. Table 6 displays the results of the t-tests comparing the control net catch to the experimental net catch for each month and for pooled data.

Catch Composition Analysis

The control net caught more non-target species (65%) than the experimental net (27%). Figure 6 displays the catch by species for both the control and experimental nets. Monkfish accounted for the majority of the catch for the experimental gear (73%). Roundfish accounted for the majority of the catch for the control gear (36%). The large catch of roundfish is mainly attributable to the large catch of white hake. Monkfish still accounted for a large percentage of the control net catch (35%). Figure 7 displays the composition of the catch by category (flatfish, roundfish, monkfish, skates, invertebrates, white-sided dolphin, debris and other) for a) the total catch b) the kept catch and c) the discarded catch. Monkfish made up 83% of the kept catch for the experimental net, and only 40% of the kept catch for the control net. Further, monkfish accounted for only 6% of the discarded catch for the experimental net, while they accounted for

[1] Please note that the large boulder caught in the net during haul 17, in trip D05M39 has not been included in the calculations, and this haul is not considered valid, so it will removed from the final analysis.

15% of the discarded catch for the control net. The composition of the catch indicates the experimental net was more selective for monkfish than the control net.

Monkfish Catch Analysis

The control net caught, kept and discarded significantly more monkish than the experimental net (Table 6). Figure 8 displays the monkfish catch by weight according to the experimental and control nets.

Although the control net caught significantly more monkfish, a greater proportion of the monkfish catch was undersized and discarded. Figure 9 displays the composition of the monkfish catch according to disposition (kept and discard) for the control and experimental trawls. A total of 8% of the monkfish catch was discarded for the control trawls while only 1% of the monkfish catch was discarded for the experimental gear. The experimental gear used in November had similar results, with the discarded monkfish accounting for 1% of its total monkfish catch.

The control and experimental net sampled different populations of monkfish, size-range wise. Figure 10 displays the monkfish length frequency distribution for the control vs. experimental net. The Kolmogorv-Smirnoff Two-Sample test indicated the length frequency distributions for the control and experimental trawls were significantly different. The experimental gear catches fewer fish, but almost all fish caught are marketable, while the control net catches more monkfish, 15% of which were undersize. However, there appears to be a sizable number of fish of marketable size that are caught in the control net but not in the experimental net, in lengths ranging from 40 to 54 cm.

Behavioral observations

Where practicable, underwater video cameras were placed in the net to determine that the nets were rigged and fishing correctly, to observe reaction behavior of fish species and to attempt to assess habitat impact. The overall quality of the images, where any images were recorded, is generally poor due to the lack of ambient underwater illumination and poor underwater visibility. This was exacerbated by the depth of the fishing grounds. However, some video footage was obtained and this enabled the investigators to determine that both the experimental and control nets were fishing correctly. However, images are so indistinct it is not possible to make any determination regarding habitat impact.

At the outset of the program the Cooperative Research Partners Program (CRPP) requested an increased scope of work from the researchers to enable visual identification of habitat type. At that time it was clear that additional

equipment would be needed to address the increased scope of work. Manomet Center for Conservation Sciences requested additional funding (approximately $20k) for purchase of an ROV system. Initially, Manomet was led to believe this may be feasible but ultimately no additional funding was secured. Manomet attempted to address the increased scope of work with underwater video equipment that was limited in its utility. Manomet attempted to film both the net and its impact during two initial trips but the equipment proved inadequate and no useable footage was obtained. Ultimately the equipment suffered catastrophic failure. At that point Manomet explored additional options including lease/loan of more sophisticated fixed camera systems.

A number of options were explored without success before Dr Pingguo He of the University of New Hampshire agreed to loan his stand-alone fixed camera system. Dr. He kindly also provided training for Manomet staff in the use and operation of the equipment. This system was utilized on the final two trips. Despite this more sophisticated equipment, the video footage proved unsatisfactory for any meaningful analysis. Fishing operations were conducted in deep water where there was insufficient ambient light to view the footrope from the headrope. Ancillary lighting was subsequently used but backscatter from particulate matter reduced images to either a blurred or washed-out state. Mounting the equipment on the footrope of the net may have produced useable images but Manomet staff did not feel comfortable mounting this on-loan equipment on the footrope as the risk of severe damage was considered too great. Despite extensive frame-by-frame analysis of the existing videotape, including video enhancement and color and brightness manipulation, the videotape yielded little or no useable data. This is certainly the most disappointing, unsatisfactory and frustrating aspect of the entire project but something that was out of the control of the scientific staff.

The fishing data shows a significant reduction in impact on non-target stocks and on the target species monkfish. This however is not a compelling argument without quantification of reduction of impact on the substrate. It was certainly the intent of the staff involved in the project to be able to make such a determination. In the absence of quantified analyses of differential habitat impact between the two nets, at best it is possible to make the following statements: 1) The experimental net has significantly less netting than the control net which results in less drag, less weight and therefore (for equivalent fishing effort) less potential impact on the habitat. 2) The experimental net will also require less weight in the doors with a subsequent reduction in habitat impact.

Despite these assumptions, the data do not support any recommendation other than the demonstrable and consistent reduction in bycatch and discard of both target (monkfish) and non-target species.

Discussion

The large mesh trawl gear tested in this study was found to minimize the bycatch of groundfish and small monkfish. The experimental gear caught significantly less non-target species than the control net. In addition, the experimental gear caught, kept and discarded significantly less monkfish than the control gear. Despite catching less monkfish than the control gear, the majority of the monkfish caught by the experimental gear were of legal size.

The results from this study suggest that the experimental net was able to successfully target commercially viable monkfish, without the bycatch of non-target species and undersize monkfish. Although the large mesh experimental gear was able to catch mainly marketable monkfish, it appears to miss a sizable number of smaller marketable monkfish, in the 40-54 cm range.

The results of the study reported here suggest that a targeted commercial fishery could be built around the use of a large mesh trawl. Such a net could be used to target large monkfish with little to no bycatch or discard of groundfish or undersize monkfish. The use of a large mesh net would also be economically justifiable, as it would cut down on the labor and deck time needed in sorting catch from bycatch. Furthermore, it is reasonable to assume that the larger mesh trawl would also consume less fuel per tow. This is attributed, in part, to the larger mesh net being lighter than the control net, but also due to reduction in drag and water resistance that results from less twine being pulled through the water.

The study reported here did not seek to quantify the degree of, or difference in habitat impact by the control and experimental nets. Therefore we do not make any statement regarding whether habitat is impacted to a greater or lesser extent between the two nets. However, as the experimental trawl is lighter than standard gear, it is intuitive that there will be a somewhat reduced impact on the bottom.

In this project we have shown that a large mesh trawl can successfully reduce the bycatch of undersized monkfish and non-target species. By using morphological measurements to design a mesh size and shape which is able to harvest certain species while dismissing others is a viable option to increase selectivity within the trawl fleet while pursuing a directed monkfish fishery.

Findings

a) actual accomplishments and findings

This study designed a large mesh bottom trawl to reduce bycatch of non target species and undersized monkfish, and tested it at sea on commercial vessels. The experimental trawl consisted of a large mesh body and extension, made of 12" diamond meshes, to which a composite large mesh codend was attached. The composite large mesh codend was made of a top panel of 8 1/2" square mesh, and a bottom panel of 8 1/2" diamond mesh. This configuration was then tested opposite the standard mesh requirement trawl. This experimental trawl successfully reduced the bycatch of undersized monkfish: only 6% of the discarded catch for the experimental net, while they accounted for 15% of the discarded catch for the control net.

The experimental trawl successfully demonstrated the ability to reduce the amount of non-target species which were found in the control net. The control net caught significantly more non-target species (65%) than the experimental net (27%).

In general, the presence of the large mesh trawl greatly reduced bycatch of undersized monkfish and non target species when compared to a regulated control net.

b) significant problems and description of need for additional work

The most significant problem encountered during the project was the use a different large mesh trawl during the month of November, 2004. As a result, we were not able to include this data in the pooled results and had to consider it as a separate treatment.

A second problem centers on the time of year in which the study took place. Due to inclement weather, we were not able to sample all of the boxes during the available time period allotted. This diminished the amount of data that was collected during specific months of field work. Weather remains one of the great challenges in collecting viable data during certain seasons and draws attention to a recurring problem in cooperative research programs, namely limits on number of hauls and maximum number of days at sea imposed by significant weather conditions.

Lastly, during the month of March, 2004 the rolling closure prohibited access into the lower half of the study area. This compounded by the permanent Cashes Ledge closure posed significant restrictions on data collections.

One of the subsidiary goals of the project was to observe and potentially characterize degree of impact by each of the nets under study. In order to achieve this, the principal investigators requested funding to purchase a remotely operated vehicle for the purposes of obtaining high quality underwater images. Funding for this equipment was not secured thereby requiring the investigators to

utilize existing, less capable underwater video equipment. This equipment was of limited utility at fishing depths of 90 – 150 fathoms. Despite these limitations, sufficient video footage was obtained to determine that the nets were fishing and rigged correctly and to re-affirm results from other studies that show non-reaction of monkfish to approaching trawls gears under these dimly lit, low contrast conditions.

Evaluation

The project was conducted with only minor changes made to the goals and objectives and we believe that important goals for this project were met. A total of 9 different commercial vessels carried out paired trips to complete research during the 5 month study period. Data was successfully collected during the 5 months providing a comprehensive comparison of the experimental trawl versus the conventional trawl in terms of catchability. The new fishing gear design has potential to reduce bycatch and discard of undersized monkfish and other non target species in the New England monkfish fishery but retention of marketable sized monkfish was also slightly reduced.

Results of this study can be presented to appropriate staff members of the New England Fisheries Management Council and all other interested groups on request. It is the intent of the principal investigators to prepare the results as a short communication for peer reviewed scientific publication. The final report will be posted as a PDF file on the World Wide Web sites of the NOAA Fisheries Cooperative Research Partners Program and Manomet Center for Conservation Sciences. All participants in the program of research will obtain a hard copy of the final report and hard copies will be made available to all interested parties who do not have access to the World Wide Web.

Table 2a Location (block number and coordinates), timing, characteristics (depth, tow speed, wire out), total weight, as well as discard and kept weights, and Catch Per Unit Effort (CPUE) for each control haul.

CONTROL GEAR

				Latitude		Longitude			Time						Weight (lbs)			CPUE (lbs/hour)
TRIP ID	Vessel	haul #	BLOCK #	start	end	start	end	Date	start	end	Tow Speed	Wire out (m)	Depth (fm)	Gear	Discarded	Kept	Total	Total
C16M35	Titan	1	10	42.67	42.64	-68.93	-69.04	3/18/2004	7:29	9:29	2.70	325	105	6.5SQ	938	1403	2341	1171
C16M35	Titan	2	9	42.62	42.59	-69.16	-69.27	3/18/2004	10:41	12:41	2.70	350	105	6.5SQ	358	1434	1792	896
C16M35	Titan	3	8	42.59	42.58	-69.33	-69.45	3/18/2004	13:31	15:31	2.60	375	123	6.5SQ	272	1057	1329	665
C16M35	Titan	4	7	42.56	42.59	-69.54	-69.65	3/18/2004	16:30	18:30	2.60	450	155	6.5SQ	281	726	1007	504
C16M35	Titan	5	6	42.59	42.67	-69.74	-69.78	3/18/2004	19:29	21:29	2.70	400	135	6.5SQ	340	710	1050	525
C16M35	Titan	6	1	42.76	42.85	-69.77	-69.75	3/18/2004	22:44	0:55	2.70	425	134	6.5SQ	423	800	1223	560
C16M35	Titan	7	2	42.84	42.78	-69.70	-69.62	3/19/2004	1:45	3:45	2.70	325	113	6.5SQ	275	1269	1544	772
C16M35	Titan	8	3	42.78	42.88	-69.51	-69.46	3/19/2004	5:10	7:31	2.60	275	95	6.5SQ	557	952	1509	642
														Total	**3444**	**8351**	**11795**	**5734**
														Mean	**431**	**1044**	**1474**	**717**
														St. Dev	**226**	**296**	**438**	**226**
C16M36	Kirsten Lee	1	1	42.88	0.00	-69.78	0.00	11/1/2004	6:17	8:14	2.50	375	128	6.5SQ	36	278	314.3	161
C16M36	Kirsten Lee	2	2	42.79	42.75	-69.69	-69.61	11/1/2004	8:59	10:59	2.50	400	130	6.5SQ	28	109	136.5	68
C16M36	Kirsten Lee	3	7	42.73	42.68	-69.58	-69.54	11/1/2004	11:30	12:49	2.50	375	125	6.5SQ	22	130	152	115
C16M36	Kirsten Lee	4	8	42.65	42.60	-69.49	-69.40	11/1/2004	13:40	17:38	2.50	375	128	6.5SQ	78	216	294	74
C16M36	Kirsten Lee	5	9	42.59	42.58	-69.30	-69.20	11/1/2004	16:36	18:30	2.50	375	123	6.5SQ	74	191	265	139
C16M36	Kirsten Lee	6	10	42.50	42.50	-69.05	-69.05	11/1/2004	20:10	22:15	2.50	350	112	6.5SQ	38	113	151.25	73
C16M36	Kirsten Lee	7	15	42.47	42.43	-69.10	-69.11	11/1/2004	23:19	0:41	2.00	375	128	6.5SQ	29	157	185.5	136
C16M36	Kirsten Lee	8	14	42.40	42.32	-69.14	-69.15	11/2/2004	1:05	3:07	2.50	400	124	6.5SQ	61	263.5	324	159
C16M36	Kirsten Lee	9	19	42.02	42.06	-69.26	-69.31	11/2/2004	6:01	8:01	2.50	350	115	6.5SQ	40	183	223	112
C16M36	Kirsten Lee	10	18	42.06	42.14	-69.32	-69.36	11/2/2004	8:29	10:37	2.50	325	118	6.5SQ	92	369	461	216
C16M36	Kirsten Lee	11	13	42.25	42.31	-69.35	-69.43	11/2/2004	11:53	13:56	2.40	400	128	6.5SQ	37	259	295.5	144
C16M36	Kirsten Lee	12	12	42.31	42.25	-69.60	-69.65	11/2/2004	15:16	17:26	2.50	400	135	6.5SQ	26	139	164.5	76
C16M36	Kirsten Lee	13	11	42.33	42.42	-69.81	-69.82	11/2/2004	19:08	21:30	2.50	400	133	6.5SQ	102	125	226.5	96
C16M36	Kirsten Lee	14	6	42.55	42.59	-69.91	-69.91	11/2/2004	22:50	23:52	2.50	275	95	6.5SQ	49	60	108.5	105
C16M37	Julie D	1	9	42.60	42.52	-69.29	-69.23	12/9/2004	7:00	9:00	2.70	400	125	6.5SQ	81	486	567	284
C16M37	Julie D	2	14	42.48	42.43	-69.20	-69.13	12/9/2004	9:55	11:55	2.70	400	129	6.5SQ	228	747	975	488
C16M37	Julie D	3	15	42.39	42.36	-69.11	-69.10	12/9/2004	12:50	13:55	2.70	400	124	6.5SQ	13	114	127	117
C16M37	Julie D	4	19	42.25	42.25	-69.17	-69.29	12/9/2004	15:26	17:14	2.70	350	114	6.5SQ	85	218	303	168
C16M37	Julie D	5	13	42.25	42.25	-69.33	-69.44	12/9/2004	18:00	19:37	2.70	350	124	6.5SQ	123	429	552	341
C16M37	Julie D	6	17	42.15	42.23	-69.59	-69.55	12/9/2004	21:50	23:43	2.70	400	125	6.5SQ	95	346	440.5	234
C16M37	Julie D	7	12	42.26	42.32	-69.55	-69.57	12/10/200	0:40	2:05	2.70	400	127	6.5SQ	73	290	362.5	256
C16M37	Julie D	8	11	42.36	42.45	-69.80	-69.81	12/10/200	4:20	6:10	2.70	400	135	6.5SQ	157	334	491	268
C16M37	Julie D	9	6	42.51	42.57	-69.83	-69.77	12/10/200	7:20	9:00	2.70	400	131	6.5SQ	48	519	567	340
C16M38	Capt N Jake	1	1	42.87	42.81	-69.86	-69.79	1/11/2005	5:45	7:45	2.50	425	142	6.5SQ	101	220	321	161
C16M38	Capt N Jake	2	7	42.77	42.68	-69.72	-69.70	1/11/2005	8:37	10:39	2.50	450	147	6.5SQ	136	350	486	239
C16M38	Capt N Jake	3	6	42.67	43.58	-69.71	-69.72	1/11/2005	11:10	13:10	2.60	425	139	6.5SQ	121	553	674	337
C16M38	Capt N Jake	4	11	42.49	42.40	-69.72	-69.72	1/11/2005	14:10	16:11	2.50	425	148	6.5SQ	102	394	496	246
C16M38	Capt N Jake	5	12	42.38	42.30	-69.71	-69.68	1/11/2005	16:43	18:43	2.50	425	140	6.5SQ	102	670	772	386
C16M38	Capt N Jake	6	16	42.22	42.13	-69.73	-69.72	1/11/2005	19:49	21:50	2.50	400	130	6.5SQ	85	160	245	121
C16M38	Capt N Jake	7	17	42.12	42.15	-69.71	-69.68	1/11/2005	22:19	0:21	2.50	350	120	6.5SQ	152	338	490	241
C16M38	Capt N Jake	8	13	42.38	42.30	-69.47	-69.43	1/12/2005	5:18	7:20	2.50	375	125	6.5SQ	96	467	563	277
C16M38	Capt N Jake	9	18	42.25	42.25	-69.42	-69.32	1/12/2005	8:10	10:12	2.50	350	113	6.5SQ	157	601	758	373
C16M38	Capt N Jake	10	19	42.26	42.28	-69.28	-69.17	1/12/2005	11:13	13:15	2.50	350	115	6.5SQ	32	648	680	334
C16M38	Capt N Jake	11	20	42.29	42.21	-69.15	-69.04	1/12/2005	13:47	15:48	2.50	350	120	6.5SQ	93	492	585	290
C16M38	Capt N Jake	12	15	42.31	42.38	-69.05	-69.10	1/12/2005	16:29	18:31	2.50	350	115	6.5SQ	31	365	396	195
C16M38	Capt N Jake	13	14	42.45	42.51	-69.17	-69.24	1/12/2005	19:28	21:30	2.50	375	127	6.5SQ	52	335	387	190
C16M38	Capt N Jake	14	9	42.53	42.55	-69.23	-69.13	1/12/2005	22:02	0:02	2.50	350	125	6.5SQ	88	335	423	212
C16M38	Capt N Jake	15	10	42.65	42.65	-69.10	-69.02	1/13/2005	2:38	4:38	2.50	325	110	6.5SQ	168	482	650	325
C16M38	Capt N Jake	16	8	42.72	42.72	-69.37	-69.47	1/13/2005	7:39	9:39	2.50	375	120	6.5SQ	172	564	736	368
C16M38	Capt N Jake	17	3	42.82	42.90	-69.49	-69.48	1/13/2005	10:38	12:38	2.50	300	92	6.5SQ	995	832	1827	914
C16M38	Capt N Jake	18	2	42.91	42.88	-69.53	-69.56	1/13/2005	13:11	15:11	2.50	300	100	6.5SQ	1281	507	1788	894
C16M39	Olympia	1	1	42.88	42.81	-69.86	-69.80	2/16/2005	2:01	4:00	2.80	400	140	6.5SQ	131	606	736.5	371
C16M39	Olympia	2	7	42.73	42.63	-69.70	-69.70	2/16/2005	5:13	7:14	3.10	425	153	6.5SQ	99	975	1074	533
C16M39	Olympia	3	6	42.61	42.52	-69.75	-69.76	2/16/2005	7:55	10:10	2.90	375	130	6.5SQ	34	4965	4999	2222
C16M39	Olympia	4	11	42.47	42.39	-69.75	-69.72	2/16/2005	11:10	13:14	2.90	450	140	6.5SQ	37	944	981	475
C16M39	Olympia	5	12	42.39	42.30	-69.71	-69.72	2/16/2005	13:43	15:43	3.00	400	136	6.5SQ	42	731	773	387
C16M39	Olympia	6	16	42.23	42.17	-69.74	-69.66	2/16/2005	16:59	19:02	2.90	390	130	6.5SQ	37	628	664.5	324
C16M39	Olympia	7	17	42.19	42.23	-69.06	-69.54	2/16/2005	19:58	21:55	2.90	350	127	6.5SQ	61	919	979.5	502
C16M39	Olympia	8	18	42.25	42.22	-69.44	-69.33	2/16/2005	11:03	1:03	2.70	350	115	6.5SQ	101	505	606	303
C16M39	Olympia	9	19	42.21	42.22	-69.30	-69.19	2/17/2005	1:33	3:33	3.00	350	117	6.5SQ	27	344.5	371.5	186
C16M39	Olympia	10	15	42.31	64.32	-68.98	-69.11	2/17/2005	7:38	9:40	2.80	350	116	6.5SQ	81	651	732	360
C16M39	Olympia	11	14	42.32	42.35	-69.14	-69.27	2/17/2005	10:13	12:12	3.00	390	126	6.5SQ	42	1194	1236	623
C16M39	Olympia	12	13	42.42	42.48	-69.35	-69.42	2/17/2005	13:18	15:19	3.10	400	136	6.5SQ	78	691	768.5	381
C16M39	Olympia	13	8	42.51	42.58	-69.41	-69.37	2/17/2005	16:03	18:04	3.00	400	140	6.5SQ	37	409	445.5	221
C16M39	Olympia	14	9	42.60	42.54	-69.30	-69.21	2/17/2005	18:59	21:01	3.30	375	126	6.5SQ	34	616	650	320
C16M39	Olympia	15	10	42.52	42.60	-69.09	-69.13	2/17/2005	10:05	12:05	3.00	325	111	6.5SQ	77	1054	1131	566
C16M39	Olympia	16	2	42.75	42.76	-69.52	-69.63	2/18/2005	2:52	4:52	3.00	325	114	6.5SQ	76	1423	1499	750
C16M39	Olympia	17	3	42.77	42.87	-69.48	-69.52	2/18/2005	6:25	8:28	3.00	250	99	6.5SQ	212	704	916	447
														Total	**6779**	**31748**	**38527**	**19241**
														Mean	**117**	**547**	**664**	**332**
														St. Dev	**202**	**658**	**692**	**314**

Table 2b Location (block number and coordinates), timing, characteristics (depth, tow speed, wire out), total weight, as well as discard and kept weights, and Catch Per Unit Effort (CPUE) for each experimental haul.
EXPERIMENTAL GEAR

				Latitude		Longitude			Time							Weight (lbs)			CPUE (lbs/hour)
TRIP ID	Vessel	haul #	BLOCK #	start	end	start	end	Date	start	end	Tow Speed	Wire out (m)	Depth (fm)	Gear		Discarded	Kept	Total	Total
D05M35	Theresa & Alyson	1	10	42.66	42.64	-68.95	-69.09	3/18/2004	7:11	9:28	2.90	300	105	12SQ		16	690	706	309
D05M35	Theresa & Alyson	2	9	42.61	42.59	-69.16	-69.27	3/18/2004	10:22	12:22	2.50	350	110	12SQ		17	451	468	234
D05M35	Theresa & Alyson	3	8	42.57	42.56	-69.34	-69.46	3/18/2004	13:09	15:11	2.80	375	127	12SQ		158	509	667	328
D05M35	Theresa & Alyson	4	7	42.55	42.59	-69.54	-69.67	3/18/2004	16:08	18:10	2.90	425	157	12SQ		46	311	357	176
D05M35	Theresa & Alyson	5	6	42.58	42.64	-69.73	-69.81	3/18/2004	19:02	21:04	2.80	400	134	12SQ		8	532	540	266
D05M35	Theresa & Alyson	6	1	42.76	42.86	-69.78	-69.77	3/18/2004	22:28	0:42	2.80	425	129	12SQ		51	742	793	355
D05M35	Theresa & Alyson	7	2	42.84	42.77	-69.70	-69.61	3/19/2004	1:38	3:47	2.90	350	116	12SQ		20	318	338	157
D05M35	Theresa & Alyson	8	3	42.78	42.89	-69.51	-69.47	3/19/2004	4:55	7:09	2.90	275	94	12SQ		51	464	515	231
															Total	**367**	**4017**	**4384**	**2055**
															Mean	**46**	**502**	**548**	**257**
															St. Dev	**48**	**155**	**164**	**71**
D05M36	Bethany Jean	1	1	42.89	42.81	-69.78	-69.72	11/1/2004	6:20	8:20	2.50	325	120	8.5 SQ		0	35	35	18
D05M36	Bethany Jean	2	2	42.79	42.75	-69.69	-69.61	11/1/2004	9:02	11:02	2.50	325	132	8.5 SQ		0	32	32	16
D05M36	Bethany Jean	3	7	42.74	42.69	-69.58	-69.56	11/1/2004	11:38	12:51	2.50	350	132	8.5 SQ		0	65	65	53
D05M36	Bethany Jean	4	8	42.66	42.60	-69.50	-69.40	11/1/2004	13:49	15:49	2.50	325	127	8.5 SQ		14	55.5	69.5	35
D05M36	Bethany Jean	5	9	42.60	42.59	-69.31	-69.20	11/1/2004	16:44	18:35	2.50	325	125	8.5 SQ		11	47	58	31
D05M36	Bethany Jean	6	10	42.51	42.50	-69.05	-69.07	11/1/2004	20:15	22:15	2.50	300	115	8.5 SQ		8	64	72	36
D05M36	Bethany Jean	7	15	42.48	42.42	-69.10	-69.11	11/1/2004	23:05	0:28	2.50	325	126	8.5 SQ		9	71	80	58
D05M36	Bethany Jean	8	14	42.40	42.32	-69.15	-69.16	11/2/2004	1:11	3:09	2.50	325	123	8.5 SQ		26	148	174.2	89
D05M36	Bethany Jean	9	19	42.03	42.06	-69.26	-69.32	11/2/2004	6:01	8:01	2.50	300	114	8.5 SQ		30	78	108	54
D05M36	Bethany Jean	10	18	42.07	42.14	-69.33	-69.37	11/2/2004	8:34	10:34	2.50	300	118	8.5 SQ		74	79	153	77
D05M36	Bethany Jean	11	13	42.26	42.31	-69.35	-69.43	11/1/2004	11:54	13:53	2.50	300	120	8.5 SQ		73	106.5	179.5	91
D05M36	Bethany Jean	12	12	42.31	42.25	-69.61	-69.66	11/2/2004	15:22	17:21	2.50	325	135	8.5 SQ		16	104	120	61
D05M36	Bethany Jean	13	11	42.34	42.43	-69.81	-69.83	11/2/2004	19:15	21:15	2.50	350	137	8.5 SQ		2	41	43	22
D05M36	Bethany Jean	14	6	42.54	42.59	-69.91	-69.91	11/2/2004	22:48	23:53	2.50	275	95	8.5 SQ		52	51	103	95
D05M37	Jamie & Ashley	1	9	42.59	42.51	-69.28	-69.21	12/9/2004	6:54	8:54	2.60	350	126	8.5 SQ		23	60	83	42
D05M37	Jamie & Ashley	2	14	42.48	42.42	-69.19	-69.12	12/9/2004	9:50	11:44	2.70	400	128	8.5 SQ		76	195	271	143
D05M37	Jamie & Ashley	3	15	42.38	42.33	-69.11	-69.10	12/9/2004	12:41	13:44	2.90	375	123	8.5 SQ		24	45	69	66
D05M37	Jamie & Ashley	4	19	42.25	42.25	-69.17	-69.29	10/9/2004	15:07	17:08	2.80	350	114	8.5 SQ		53	64	117	58
D05M37	Jamie & Ashley	5	13	42.25	42.26	-69.34	-69.43	12/9/2004	18:06	19:30	2.80	350	120	8.5 SQ		21	161.5	182.5	130
D05M37	Jamie & Ashley	6	17	42.15	42.24	-69.59	-69.56	12/9/2004	21:40	23:39	2.70	400	128	8.5 SQ		16	193	209	105
D05M37	Jamie & Ashley	7	12	42.26	42.34	-69.56	-69.58	12/10/200	0:22	2:10	2.80	375	128	8.5 SQ		22	124	146	81
D05M37	Jamie & Ashley	8	11	42.37	42.46	-69.81	-69.81	12/10/200	4:09	6:11	2.70	400	142	8.5 SQ		24	75	99	49
D05M37	Jamie & Ashley	9	6	42.51	42.58	-69.82	-69.75	12/10/200	7:08	9:05	2.70	400	131	8.5 SQ		24	130.5	154.5	79
D05M38	Olympia	1	1	42.87	42.80	-69.85	-69.79	1/10/2005	5:56	7:56	2.60	125	139	8.5 SQ		11	130	141	71
D05M38	Olympia	2	7	42.75	42.66	-69.71	-69.70	1/11/2005	8:59	10:57	2.50	450	150	8.5 SQ		6	292	298.25	152
D05M38	Olympia	3	6	42.64	42.56	-69.71	-69.72	1/11/2005	11:45	13:45	2.80	400	138	8.5 SQ		10	377.5	387.05	194
D05M38	Olympia	4	11	42.50	42.41	-69.72	-69.72	1/11/2005	14:35	16:35	2.70	450	148	8.5 SQ		6	292	297.5	149
D05M38	Olympia	5	12	42.37	42.29	-69.69	-69.66	1/11/2005	17:20	19:20	2.60	425	137	8.5 SQ		2	177	179	90
D05M38	Olympia	6	16	42.24	42.16	-69.75	-69.71	1/11/2005	20:25	22:29	2.60	400	134	8.5 SQ		0	198.5	198.75	96
D05M38	Olympia	7	17	42.15	42.22	-69.62	-69.55	1/11/2005	23:25	1:25	2.60	400	130	8.5 SQ		105	307.5	412.5	206
D05M38	Olympia	8	13	42.37	42.30	-69.38	-69.50	1/12/2005	5:24	7:24	2.80	400	137	8.5 SQ		46	303	349	175
D05M38	Olympia	9	18	42.26	42.26	-69.38	-69.29	1/12/2005	8:45	10:47	2.80	375	119	8.5 SQ		31	164.5	195.5	96
D05M38	Olympia	10	19	42.26	42.28	-69.28	-69.16	1/12/2005	11:15	13:15	2.70	350	116	8.5 SQ		30	190.5	220.5	110
D05M38	Olympia	11	20	42.30	42.31	-69.13	-69.01	1/12/2005	14:04	16:05	2.80	375	122	8.5 SQ		46	188	234	116
D05M38	Olympia	12	15	42.35	42.42	-69.08	-69.14	1/12/2005	16:55	18:55	2.80	400	122	8.5 SQ		27	147	174	87
D05M38	Olympia	13	14	42.45	42.52	-69.17	-69.25	1/12/2005	19:35	21:35	2.60	400	123	8.5 SQ		55	114.5	169.5	85
D05M38	Olympia	14	9	42.54	42.62	-69.12	-69.15	1/12/2005	23:43	1:47	2.60	350	119	8.5 SQ		36	144	180	87
D05M38	Olympia	15	10	42.64	42.66	-69.09	-69.97	1/13/2005	2:45	4:46	2.70	325	107	8.5 SQ		124	314.5	438.5	217
D05M38	Olympia	16	8	42.71	42.70	-69.33	-69.44	1/13/2005	7:12	9:12	2.80	325	105	8.5 SQ		15	323	337.5	169
D05M38	Olympia	17	3	42.82	42.91	-69.49	-69.49	1/13/2005	10:40	12:40	2.80	275	93	8.5 SQ		143	340	482.5	241
D05M38	Olympia	18	2	42.91	42.99	-69.52	-69.55	1/13/2005	13:15	15:15	2.80	250	92	8.5 SQ		233	252	484.5	242
D05M39	Drake	1	1	42.86	42.79	-70.00	-69.75	2/16/2005	2:00	4:08	2.80	375	140	8.5 SQ		10	376	386	181
D05M39	Drake	2	7	42.74	42.64	-69.68	-69.69	2/16/2005	5:10	7:11	2.80	400	159	8.5 SQ		21	330	351	174
D05M39	Drake	3	6	42.60	42.52	-69.73	-69.74	2/16/2005	8:00	10:02	2.80	350	136	8.5 SQ		81	236.5	317.5	156
D05M39	Drake	4	11	42.49	42.40	-69.74	-69.74	2/16/2005	10:45	12:43	2.80	400	148	8.5 SQ		0	434	434	221
D05M39	Drake	5	12	42.40	42.31	-69.69	-69.69	2/16/2005	13:42	15:45	2.80	400	140	8.5 SQ		20	223	243	119
D05M39	Drake	6	16	42.24	42.14	-69.76	-69.73	2/16/2005	17:01	19:00	2.80	350	134	8.5 SQ		30	73	103.25	52
D05M39	Drake	7	17	42.16	42.24	-69.70	-69.62	2/16/2005	19:33	21:39	2.80	350	127	8.5 SQ		61	371	432	206
D05M39	Drake	8	18	42.24	42.24	-69.39	-69.27	2/16/2005	23:12	1:14	2.80	325	116	8.5 SQ		55	233	288	142
D05M39	Drake	9	19	42.22	42.19	-69.30	-69.19	2/17/2005	2:33	4:29	2.80	300	116	8.5 SQ		41	174	214.5	111
D05M39	Drake	10	15	42.30	42.33	-69.01	-69.13	2/17/2005	7:30	9:30	2.80	325	114	8.5 SQ		99	211	310	155
D05M39	Drake	11	14	42.33	42.33	-69.13	-69.25	2/17/2005	10:08	12:08	2.80	350	129	8.5 SQ		6	346	352	176
D05M39	Drake	12	13	42.34	42.42	-69.33	-69.40	2/17/2005	13:05	15:02	2.80	350	129	8.5 SQ		36	144	180	92
D05M39	Drake	13	8	42.51	42.58	-69.42	-69.34	2/17/2005	16:13	18:13	2.80	350	143	8.5 SQ		34	129	163	82
D05M39	Drake	14	9	42.60	42.56	-69.32	-69.25	2/17/2005	18:54	21:03	2.80	325	124	8.5 SQ		10	330	340	158
D05M39	Drake	15	10	42.52	42.60	-69.11	-69.11	2/17/2005	22:21	0:21	2.80	350	119	8.5 SQ		69	149	218	109
D05M39	Drake	16	2	42.75	42.79	-69.52	-69.64	2/18/2005	3:22	5:22	2.80	325	114	8.5 SQ		80	213	292.5	146
D05M39	*Drake*	*17*	*3*	*42.79*	*42.87*	*-69.51*	*-69.51*	*2/18/200*	*6:41*	*8:41*	*2.80*	*250*	*95*	*8.5 SQ*		*3028*	*160*	*3188*	*1594*
															Total	**2175**	**10253**	**12428**	**6347**
															Mean	**38**	**180**	**218**	**111**
															st. Dev	**42**	**109**	**124**	**59**

Table 3.1 Weight in pounds, for each species haul by haul. Discard and kept weights are presented for each species

TRIPID	C16M35			C16M35			C16M35			C16M35			C16M35			C16M35			C16M35			C16M35		
HAUL#	1			2			3			4			5			6			7			8		
TREATMENT	Control			Control			Control			Control			Control			Control			Control			Control		
GEAR	6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ		
BLOCK #	10			9			8			7			6			1			2			3		
WEIGHT (lbs)	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	14	355	369	0	146	146	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	0	20	20
CRAB, CANCER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, NK	17	0	17	53	0	53	68	0	68	114	0	114	56	0	56	49	0	49	25	0	25	39	0	39
CUSK	0	0	0	0	27	27	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB (AMERICAN PLAICE)	17	41	58	19	87	106	6	69	75	4	54	58	5	41	46	4	28	32	17	66	83	11	77	88
DEBRIS, FISH_ GEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEBRIS, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOGFISH, SPINY	4	0	4	34	0	34	89	0	89	68	0	68	206	0	206	188	0	188	33	0	33	97	0	97
FLOUNDER, FOURSPOT (FOURSPOT:	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	4	0	4	0	0	0	0	0	0
FLOUNDER, WITCH (GREY SOLE)	21	99	120	4	41	45	3	22	25	2	17	19	4	25	29	6	19	25	7	46	53	15	34	49
FLOUNDER, YELLOWTAIL	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	2	27	29	0	13	13	0	0	0	0	0	0	0	2	2	0	19	19	2	29	31	2	46	48
HAKE, SILVER (WHITING)	0	0	0	0	0	0	7	0	7	5	0	5	4	0	4	7	0	7	3	0	3	6	0	6
HAKE, WHITE (W_ HAKE)	0	48	48	0	74	74	0	107	107	0	174	174	0	101	101	0	71	71	0	23	23	0	0	0
HALIBUT	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5
LITTLE SKATE	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOBSTER	8	0	8	17	0	17	12	0	12	27	0	27	22	0	22	23	0	23	12	0	12	38	0	38
LUMPFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
MONKFISH, ROUND	157	774	931	6	688	694	87	820	907	38	481	519	42	527	569	142	663	805	168	536	704	226	766	992
OCEAN POUT (EELPOUT)	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
POLLOCK	0	57	57	0	358	358	0	33	33	0	0	0	0	14	14	0	0	0	0	547	547	0	9	9
REDFISH (OCEAN PERCH)	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	7
SEA RAVEN	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
SHORT FINNED SQUID (ILLEX)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, BARNDOOR	3	0	3	0	0	0	0	0	0	13	0	13	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, SMOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, THORNY	667	0	667	152	0	152	0	0	0	8	0	8	0	0	0	0	0	0	8	0	8	99	0	99
WHITE-SIDED DOLPHIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER SKATE	23	0	23	15	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5
	938	1404	2342	304	1434	1738	272	1057	1329	281	726	1007	340	710	1050	423	800	1223	275	1269	1544	557	952	1509

TRIPID	D05M35			D05M35			D05M35			D05M35			D05M35			D05M35			D05M35			D05M35		
HAUL#	1			2			3			4			5			6			7			8		
TREATMENT	Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental		
GEAR	Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh		
BLOCK #	10			9			8			7			6			1			2			3		
WEIGHT (lbs)	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	51	51	0	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	34	34	0	0	0
CRAB, CANCER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, NK	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB (AMERICAN PLAICE)	0	0	0	1	0	1	0	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
DEBRIS, FISH_ GEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEBRIS, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	25	0	0	0	0	0	0
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, FOURSPOT (FOURSPOT:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH (GREY SOLE)	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
HADDOCK	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, SILVER (WHITING)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE (W_ HAKE)	0	0	0	0	14	14	0	0	0	0	41	41	0	0	0	0	110	110	0	0	0	0	0	0
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	0	41
LITTLE SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOBSTER	0	0	0	0	0	0	0	0	0	16	0	16	0	0	0	14	0	14	10	0	10	0	0	0
LUMPFISH	10	0	10	7	0	7	8	0	8	10	0	10	0	0	0	0	0	0	0	0	0	0	0	0
MONKFISH, ROUND	6	296	302	2	360	362	0	502	502	2	222	224	8	532	540	12	632	644	10	284	294	10	260	270
OCEAN POUT (EELPOUT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLLOCK	0	0	0	0	24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REDFISH (OCEAN PERCH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEA RAVEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORT FINNED SQUID (ILLEX)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, BARNDOOR	0	0	0	6	0	6	0	0	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, SMOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, THORNY	0	334	334	0	41	41	0	0	0	0	48	48	0	0	0	0	0	0	0	0	0	0	198	198
WHITE-SIDED DOLPHIN	0	0	0	0	0	0	150	0	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	16	690	706	17	451	468	158	509	667	46	311	357	8	532	540	51	742	793	20	318	338	51	464	515

Table 3a Weight, in pounds, for each species haul by haul, and the mean weight for each species in all hauls pooled together. Haul by haul discard and kept weights are also presented for each species.

November

TRIPID	C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36					
HAUL#	1			2			3			4			5			6			7			8			9			10			11			12			13			14					
TREATMENT	Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control					
GEAR	6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ					
BLOCK #	1			2			7			8			9			10			15			14			19			18			13			12			11			6			Mean		
WEIGHT (lbs)	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
CRAB, CANCER	6	0	6	14	0	14	12	0	12	14	0	14	22	0	22	18	0	18	14	0	14	13	0	13	7	0	7	12	0	12	4	0	4	14	0	14	49.5	0	49.5	14	0	14	15	0	15
CRAB, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	14	51	65	12	36	48	3	40	43	20	95	115	10	68	78	1	12	13	1.5	13	14.5	5.5	62	67.5	5	52	57	10	136	146	5	109	114	4	43	47	5	32	37	1	12	13	7	54	61
DEBRIS, FISH_ GEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEBRIS, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	5	0	5	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
FLOUNDER, FOURSPOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	0	2	2	0	1	1	0	4	4	1	16	17	0	10	10	1.5	11	12.5	1	20	21	1.5	16	17.5	1	26	27	4	30	34	0	3.5	3.5	0	1	1	1	7	8	0.5	2	2.5	1	11	12
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	0	0	0	12	12	0	0	0	0	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	15	15	0	41	41	0	0	0	0	0	0	0	0	0	0	6	6
HAKE, SILVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE	0	139	139	0	0	0	0	12	12	36	0	36	0	29	29	0	0	0	0	0	0	0	5.5	5.5	0	31	31	0	43	43	0	18	18	0	56	56	0	5	5	0	0	0	3	24	27
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LITTLE SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOBSTER	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.5	0	10.5	7	0	7	3	0	3	5	0	5	6.5	0	6.5	16	0	16	1	0	1	4	0	4
LUMPFISH	12	0	12	0	0	0	6	0	6	0	0	0	0	0	0	0	0	0	0	0	0	13	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
MONKFISH, ROUND	0	86	86	1.5	60	61.5	1	74	75	2	91	93	0	74	74	0.75	90	90.75	1	124	125	2.5	179	181.5	0	69	69	1	116	117	2.5	81.5	84	0	39	39	8	81	89	2	37	39	2	86	87
OCEAN POUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	0	0	0	0	0	0	0	0	0	0	8	8	0	2	2
REDFISH	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	6	6	0	0	0	0	0	0	0	1	1	0	1	1
SEA RAVEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORT FINNED SQUID	0.3	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, BARNDOOR	0	0	0	0	0	0	0	0	0	0	0	0	39	0	39	17	0	17	11	0	11	14	0	14	20	0	20	62	0	62	20	0	20	1	0	1	22	0	22	30	0	30	17	0	17
SKATE, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, SMOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, THORNY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE-SIDED DOLPHIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	36.30	278.00	314.30	27.50	109.00	136.50	22.00	130.00	152.00	78.00	216.00	294.00	74.00	191.00	265.00	38.25	113.00	151.25	28.50	157.00	185.50	60.50	263.50	324.00	40.00	183.00	223.00	92.00	369.00	461.00	36.50	259.00	295.50	25.50	139.00	164.50	101.50	125.00	226.50	48.50	60.00	108.50			
mean	1.21	9.27	10.48	0.92	3.63	4.55	0.73	4.33	5.07	2.60	7.20	9.80	2.47	6.37	8.83	1.28	3.77	5.04	0.95	5.23	6.18	2.02	8.78	10.80	1.33	6.10	7.43	3.07	12.30	15.37	1.22	8.63	9.85	0.85	4.63	5.48	3.38	4.17	7.55	1.62	2.00	3.62			
st. dev	3.46	30.37	30.99	3.31	12.66	14.15	2.45	15.17	15.58	7.70	23.62	26.89	8.16	18.50	20.57	4.43	16.55	17.03	3.18	22.84	23.08	4.40	34.17	34.73	4.03	16.62	17.19	11.49	32.85	35.08	3.84	25.15	26.02	2.84	14.22	14.63	10.06	15.69	19.35	5.94	7.10	9.22			

TRIPID	D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36					
HAUL#	1			2			3			4			5			6			7			8			9			10			11			12			13			14					
TREATMENT	Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental					
GEAR	Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh					
BLOCK #	1			2			7			8			9			10			15			14			19			18			13			12			11			6			Mean		
WEIGHT (lbs)	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, CANCER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	8	8	0	4.5	4.5	0	2	2	0	0	0	0	0	0	0	2	2
DAB	0	2	2	0	0	0	0	0	0	0	3.5	3.5	0	0	0	0	0	0	0	0	0	0	0	0	25	0	25	25	0	25	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
DEBRIS, FISH_ GEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEBRIS, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, FOURSPOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, SILVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LITTLE SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
LOBSTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LUMPFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	146	146	0	78	78	0	71	71	0	102	102	0	102	102	0	41	41	0	51	51	0	68	68
MONKFISH, ROUND	0	33	33	0	32	32	0	65	65	0	52	52	0	47	47	0	64	64	0	71	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCEAN POUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEA RAVEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORT FINNED SQUID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, BARNDOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	6	2	0	2	0	0	0	8	0	8	1	0	1	0	0	0	0	0	0	2	0	2	1	0	1
SKATE, SMOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	21	0	0	0	41	0	41	72	0	72	16	0	16	2	0	2	48	0	48	16	0	16
SKATE, THORNY	0	0	0	0	0	0	0	0	0	14	0	14	11	0	11	3	0	3	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE-SIDED DOLPHIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
total	0.00	35.00	35.00	0.00	32.00	32.00	0.00	65.00	65.00	14.00	55.50	69.50	11.00	47.00	58.00	8.00	64.00	72.00	9.00	71.00	80.00	26.20	148.00	174.20	30.00	78.00	108.00	74.00	79.00	153.00	73.00	106.50	179.50	16.00	104.00	120.00	2.00	41.00	43.00	52.00	51.00	103.00			
mean	0.00	1.21	1.21	0.00	1.10	1.10	0.00	2.24	2.24	0.48	1.91	2.40	0.38	1.62	2.00	0.28	2.21	2.48	0.31	2.45	2.76	0.90	5.10	6.01	1.03	2.69	3.72	2.55	2.72	5.28	2.52	3.67	6.19	0.55	3.59	4.14	0.07	1.41	1.48	1.79	1.76	3.55			
st. dev.	0.00	6.13	6.13	0.00	5.94	5.94	0.00	12.07	12.07	2.60	9.65	9.90	2.04	8.73	8.89	1.07	11.88	11.88	1.17	13.18	13.18	3.92	27.10	27.21	4.70	14.48	15.04	8.83	13.21	15.43	13.36	18.93	22.76	2.87	18.93	19.06	0.37	7.61	7.61	8.90	9.47	12.74			

Table 3b Weight, in pounds, for each species haul by haul, and the mean weight for each species in all hauls pooled together. Haul by haul discard and kept weights are also presented for each species.

December

TRIPID	C16M37			C16M37			C16M37			C16M37			C16M37			C16M37			C16M37			C16M37			C16M37					
HAUL#	1			2			3			4			5			6			7			8			9					
TREATMENT	Control			Control			Control			Control			Control			Control			Control			Control			Control					
GEAR	6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ					
BLOCK #	9			14			15			19			13			17			12			11			6			Mean		
WEIGHT (lbs)	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	8	8	0	23	23	0	0	0	0	0	0	0	4	4	0	7	7	0	6	6	0	0	0	0	6	6	0	6	6
CRAB, CANCER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, NK	34	0	34	85	0	85	10	0	10	14	0	14	0.5	0	0.5	22	0	22	40	0	40	121	0	121	23	0	23	39	0	39
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	11	220	231	7	205	212	1	60	61	9	139	148	10	186	196	7	162	169	4	98	102	3	65	68	4	98	102	6	137	143
DEBRIS, FISH_ GEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEBRIS, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOGFISH, SPINY	16	0	16	18	0	18	0	0	0	0	0	0	0	0	0	7	0	7	3	0	3	0	0	0	0	0	0	5	0	5
FLOUNDER, FOURSPOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	1	15	16	1	69	70	0	13	13	2	23	25	1	26	27	1.5	49	50.5	0	20	20	2	84	86	1	11	12	1	34	36
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	0	0	0	6	6	0	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	0	2	2
HAKE, SILVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE	0	119	119	0	197	197	0	4	4	0	0	0	0	78	78	0	66	66	0	61	61	0	102	102	0	295	295	0	102	102
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LITTLE SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOBSTER	0	0	0	3	0	3	0	0	0	8	0	8	1.5	0	1.5	7	0	7	3.5	0	3.5	16	0	16	10	0	10	5	0	5
LUMPFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONKFISH, ROUND	11	124	135	7	246	253	0	29	29	2	56	58	3	134	137	2	62	64	1	105	106	2	78	80	4	107	111	4	105	108
OCEAN POUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REDFISH	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0
SEA RAVEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORT FINNED SQUID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, BARNDOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, NK	8	0	8	107	0	107	2	0	2	50	0	50	107	0	107	48	0	48	21	0	21	13	0	13	6	0	6	40	0	40
SKATE, SMOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, THORNY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE-SIDED DOLPHIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	81	486	567	228	747	975	13	114	127	85	218	303	123	429	552	94.5	346	440.5	72.5	290	362.5	157	334	491	48	519	567			

TRIPID	D05M37			D05M37			D05M37			D05M37			D05M37			D05M37			D05M37			D05M37			D05M37					
HAUL#	1			2			3			4			5			6			7			8			9					
TREATMENT	Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental					
GEAR	Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh					
BLOCK #	9			14			15			19			13			17			12			11			6			Mean		
WEIGHT (lbs)	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	29	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
CRAB, CANCER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	0	2	2	0	0	0	0	2	2	1	20	21	0	2.5	2.5	0	21	21	0	6	6	0	4	4	0	12.5	12.5	0	8	8
DEBRIS, FISH_ GEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEBRIS, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOGFISH, SPINY	15	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
FLOUNDER, FOURSPOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	0	0	0	0	0	0	0	2	2	0	1	1	0	0	0	0	5	5	0	0	0	0	0	0	0	0	0	0	1	1
HADDOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, SILVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0	3	3
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LITTLE SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOBSTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	20	12	0	12	8	0	8
LUMPFISH	0	0	0	18	0	18	0	0	0	22	0	22	0	0	0	0	167	167	0	118	118	0	71	71	4	88	92	1	101	102
MONKFISH, ROUND	0	58	58	2	166	168	0	41	41	0	43	43	0	159	159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCEAN POUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEA RAVEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORT FINNED SQUID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, BARNDOOR	0	0	0	0	0	0	0	0	0	0	0	0	21	0	21	16	0	16	22	0	22	4	0	4	8	0	8	20	0	20
SKATE, NK	0	0	0	56	0	56	24	0	24	30	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, SMOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
SKATE, THORNY	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE-SIDED DOLPHIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	23	60	83	76	195	271	24	45	69	53	64	117	21	161.5	182.5	16	193	209	22	124	146	24	75	99	24	130.5	154.5			

Table 3c Weight, in pounds, for each species haul by haul, and the mean weight for each species in all hauls pooled together. Haul by haul discard and kept weights are also presented for each species.

January

TRIPID	C16M38			C16M38			C16M38			C16M38			C16M38			C16M38		
HAUL#	1			2			3			4			5			6		
TREATMENT	Control			Control			Control			Control			Control			Control		
GEAR	6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ		
BLOCK #	1			7			6			11			12			16		
WEIGHT (lbs)	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	6	6	0	7	7	0	0	0	0	0	0
CRAB, CANCER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, NK	54	0	54	76	0	76	74	0	74	53	0	53	58	0	58	46	0	46
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	0	0	0
DAB	6	17	23	5	62	67	3	69	72	3	64	67	1	77	78	3	17	20
DEBRIS, FISH_ GEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEBRIS, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOGFISH, SPINY	11	0	11	0	0	0	0	0	0	13	0	13	23	0	23	14	0	14
FLOUNDER, FOURSPOT	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
FLOUNDER, WITCH	4	14	18	2	15	17	1	8	9	0	14	14	1	96	97	6	72	78
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	12	12	0	27	27	0	27	27	0	4	4	0	24	24	0	0	0
HAKE, SILVER	1	0	1	2	0	2	1	0	1	1	0	1	1	0	1	1	0	1
HAKE, WHITE	0	33	33	0	48	48	0	199	199	0	189	189	0	260	260	0	7	7
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LITTLE SKATE	0	0	0	0	0	0	1	0	1	1	0	1	8	0	8	1	0	1
LOBSTER	14	0	14	25	0	25	8	0	8	10	0	10	6	0	6	12	0	12
LUMPFISH	0	0	0	3	0	3	5	0	5	7	0	7	0	0	0	0	0	0
MONKFISH, ROUND	10	100	110	22	208	230	28	241	269	14	116	130	4	140	144	0	46	46
OCEAN POUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
POLLOCK	0	44	44	0	0	0	0	0	0	0	0	0	0	62	62	0	16	16
REDFISH	1	0	1	0	0	0	0	3	3	0	0	0	0	2	2	0	2	2
SEA RAVEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORT FINNED SQUID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, BARNDOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, SMOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, THORNY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE-SIDED DOLPHIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	101	220	321	136	360	486	121	553	674	102	394	496	102	670	772	85	160	245

TRIPID	C16M38			C16M38			C16M38			C16M38			C16M38			C16M38		
HAUL#	7			8			9			10			11			12		
TREATMENT	Control			Control			Control			Control			Control			Control		
GEAR	6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ		
BLOCK #	17			13			18			19			20			15		
WEIGHT (lbs)	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	0	0	0	36	36	0	6	6	0	0	0
CRAB, CANCER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, NK	36	0	36	16	0	16	0	0	0	0	0	0	0	0	0	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	2	13	15	2	54	56	6	127	133	4	92	96	8	88	96	0	65	65
DEBRIS, FISH_ GEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEBRIS, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOGFISH, SPINY	10	0	10	7	0	7	15	0	15	0	0	0	5	0	5	0	0	0
FLOUNDER, FOURSPOT	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	5	135	140	0	33	33	1	20	21	1	32	33	0	73	73	1	22	23
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	5	5	0	6	6	0	0	0	0	5	5	0	10	10	0	30	30
HAKE, SILVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE	0	17	17	0	225	225	0	143	143	0	236	236	0	102	102	0	82	82
HALIBUT	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
LITTLE SKATE	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOBSTER	86	0	86	0	0	0	3	0	3	0	0	0	0	0	0	7	0	7
LUMPFISH	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONKFISH, ROUND	2	136	138	10	149	159	13	270	283	17	205	222	14	191	205	7	127	134
OCEAN POUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLLOCK	0	30	30	0	0	0	0	41	41	0	40	40	0	22	22	0	39	39
REDFISH	0	2	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
SEA RAVEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORT FINNED SQUID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, BARNDOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, NK	0	0	0	58	0	58	119	0	119	10	0	10	65	0	65	16	0	16
SKATE, SMOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, THORNY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE-SIDED DOLPHIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	152	338	490	96	467	563	157	601	758	32	648	680	93	492	585	31	365	396

TRIPID	C16M38			C16M38			C16M38			C16M38			C16M38			C16M38					
HAUL#	13			14			15			16			17			18					
TREATMENT	Control			Control			Control			Control			Control			Control					
GEAR	6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ			6.5 SQ					
BLOCK #	14			9			10			8			3			2			Mean		
WEIGHT (lbs)	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	17	17	3	148	151	0	19	19	0	9	9	0	18	18	0	15	15
CRAB, CANCER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, NK	24	0	24	32	0	32	0	0	0	0	0	0	0	0	0	0	0	0	26	0	26
CUSK	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	1	1
DAB	1	59	60	3	35	38	7	18	25	8	68	76	4	31	35	2	19	21	4	54	57
DEBRIS, FISH_ GEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEBRIS, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	69	0	69	875	0	875	1095	0	1095	119	0	119
FLOUNDER, FOURSPOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	0	16	16	1	20	21	6	70	76	6	47	53	9	26	35	4	37	41	3	42	44
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	6	6	0	17	17	0	9	9	0	3	3	0	4	4	0	0	0	0	10	10
HAKE, SILVER	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	2	0	2	1	0	1
HAKE, WHITE	0	65	65	0	56	56	0	24	24	0	71	71	0	0	0	0	0	0	0	97	97
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LITTLE SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
LOBSTER	2	0	2	0	0	0	3	0	3	2	0	2	0	0	0	10	0	10	10	0	10
LUMPFISH	0	0	0	0	0	0	0	0	0	21	0	21	31	0	31	18	0	18	5	0	5
MONKFISH, ROUND	7	162	169	14	154	168	5	197	202	30	229	259	17	302	319	36	311	347	14	182	196
OCEAN POUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLLOCK	0	38	38	0	36	36	0	12	12	0	121	121	0	457	457	0	117	117	0	60	60
REDFISH	0	0	0	0	0	0	0	4	4	0	6	6	0	3	3	0	5	5	0	2	2
SEA RAVEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0
SHORT FINNED SQUID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, BARNDOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, NK	18	0	18	38	0	38	144	0	144	33	0	33	56	0	56	110	0	110	37	0	37
SKATE, SMOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, THORNY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE-SIDED DOLPHIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	52	335	387	88	335	423	168	482	650	172	564	736	995	832	1827	1261	507	1768			

TRIPID	D05M38			D05M38			D05M38			D05M38			D05M38			D05M38		
HAUL#	1			2			3			4			5			6		
TREATMENT	Experimental			Experimental			Experimental			Experimental			Experimental			Experimental		
GEAR	Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh		
BLOCK #	1			7			6			11			12			16		
WEIGHT (lbs)	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, CANCER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, NK	0	0	0	2	0	2	0	0	0	0	0	0	1	0	1	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	0	0	0	0	6	6	0	8	8	0	0	0	0	11	11	0.25	7	7.25
DEBRIS, FISH_ GEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEBRIS, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, FOURSPOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	0	0	0	0	0	0	0.25	0	0.25	0	4	4	0	0	0	0	0.5	0.5
HADDOCK	0	0	0	0	0	0	0	7.5	7.5	0	0	0	0	0	0	0	0	0
HAKE, SILVER	0	0	0	0	0	0	0.3	0	0.3	0	0	0	1	0	1	0	0	0
HAKE, WHITE	0	0	0	0	0	0	0	72	72	0	0	0	0	0	0	0	22	22
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LITTLE SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOBSTER	7	0	7	3	0	3	5	0	5	0	0	0	0	0	0	0	0	0
LUMPFISH	4	0	4	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0
MONKFISH, ROUND	0	130	130	1.25	286	287.25	4	292	296	1.5	288	289.5	0	166	166	0	169	169
OCEAN POUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEA RAVEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORT FINNED SQUID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, BARNDOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, SMOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, THORNY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE-SIDED DOLPHIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	11	130	141	6.25	292	298.25	9.55	377.5	387.05	5.5	292	297.5	2	177	179	0.25	198.5	198.75

TRIPID	D05M38			D05M38			D05M38			D05M38			D05M38			D05M38		
HAUL#	7			8			9			10			11			12		
TREATMENT	Experimental			Experimental			Experimental			Experimental			Experimental			Experimental		
GEAR	Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh		
BLOCK #	17			13			18			19			20			15		
WEIGHT (lbs)	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14	0	0	0
CRAB, CANCER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	0	1.5	1.5	0	12	12	0	6	6	0	2.5	2.5	0	6	6	0	5.5	5.5
DEBRIS, FISH_ GEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEBRIS, NK	100	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, FOURSPOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	0	3	3	0	0	0	0	2.5	2.5	0	0	0	0	5	5	0	2.5	2.5
HADDOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, SILVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE	0	0	0	0	74	74	0	0	0	0	0	0	0	0	0	0	0	0
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LITTLE SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOBSTER	0	0	0	0	0	0	0	0	0	6	0	6	0	0	0	0	0	0
LUMPFISH	0	0	0	0	0	0	5	0	5	10	0	10	0	0	0	0	0	0
MONKFISH, ROUND	0	303	303	3	217	220	0	156	156	0	188	188	0	163	163	1	139	140
OCEAN POUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEA RAVEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORT FINNED SQUID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, BARNDOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, NK	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, SMOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, THORNY	0	0	0	0	0	0	26	0	26	14	0	14	46	0	46	26	0	26
WHITE-SIDED DOLPHIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER SKATE	0	0	0	43	0	43	0	0	0	0	0	0	0	0	0	0	0	0
Total	105	307.5	412.5	46	303	349	31	164.5	195.5	30	190.5	220.5	46	188	234	27	147	174

TRIPID	D05M38			D05M38			D05M38			D05M38			D05M38			D05M38					
HAUL#	13			14			15			16			17			18					
TREATMENT	Experimental			Experimental			Experimental			Experimental			Experimental			Experimental					
GEAR	Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh					
BLOCK #	14			9			10			8			3			2			Mean		
WEIGHT (lbs)	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	41	41	0	37	37	0	40	40	0	0	0	0	0	0	0	7	7
CRAB, CANCER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, NK	0	0	0	0	0	0	0	0	0	1.5	0	1.5	0	0	0	0	0	0	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	4	4
DEBRIS, FISH_ GEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEBRIS, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	6
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	13	0	13	0	0	0	1	0	1
FLOUNDER, FOURSPOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	0	2.5	2.5	0	3	3	0	0.5	0.5	0	0	0	0	3	3	0	0.5	0.5	0	2	2
HADDOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, SILVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE	0	0	0	0	0	0	0	27	27	0	0	0	0	0	0	0	30	30	0	13	13
HALIBUT	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
LITTLE SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOBSTER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	10	2	0	2
LUMPFISH	0	0	0	0	0	0	0	0	0	8	0	8	11	0	11	18	0	18	3	0	3
MONKFISH, ROUND	1	112	113	0	100	100	0	260	260	1	280	281	3	337	340	2.5	220	222.5	1	211	212
OCEAN POUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	1.5	0	0	0
SEA RAVEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORT FINNED SQUID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, BARNDOOR	20	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
SKATE, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, SMOOTH	0	0	0	6	0	6	4	0	4	0	0	0	3.6	0	3.6	4	0	4	1	0	1
SKATE, THORNY	34	0	34	30	0	30	120	0	120	3	0	3	112	0	112	198	0	198	34	0	34
WHITE-SIDED DOLPHIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Total	55	114.5	169.5	36	144	180	124	314.5	438.5	14.5	323	337.5	142.6	340	482.5	232.5	252	484.5			

Table 3d Weight, in pounds, for each species haul by haul, and the mean weight for each species in all hauls pooled together. Haul by haul discard and kept weights are also presented for each species.

February

TRIP ID	C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39					
HAUL#	1			2			3			4			5			6			7			8			9			10			11			12			13			14					
TREATMENT	Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control					
GEAR	6.5 EQ			6.5 EQ			6.5 EQ			6.5 EQ			6.5 EQ			6.5 EQ			6.5 EQ			6.5 EQ			6.5 EQ			6.5 EQ			6.5 EQ			6.5 EQ			6.5 EQ			6.5 EQ					
BLOCK #	1			7			6			11			12			16			17			14			13			8			9			10			2			3			Mean		
WEIGHT (lbs)	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	3	24	27	0	18	18	0	3	3	0	6	6	0	7	7	0	0	0	0	6	6	0	24	24	5	158	173	4	247	251	0	10	10	1	31	31
CRAB, CANCER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, NK	75	0	75	83	0	83	0	0	0	0	0	0	0	0	0	0	0	0	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	10	0	10	10	0	10	10	0	10	8	0	8	4	0	4	8	0	8	13	0	13
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	4.5	24	28.5	2	34	36	1	42	43	1.5	46	47.5	4	52	56	1.5	39	40.5	2	46	48	2	126	128	4.5	78	82.5	4	34	38	0.5	42	42.5	0.5	55	55.5	4	68	72	8	62	70	5	20	25	0	2	2	1	31	32	3	47	50
DEBRIS, FISH_ GEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEBRIS, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	10	0	0	0	96	0	96	8	0	8
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, FOURSPOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	5	15	20	2	6	8	2	36	40	1.5	26	27.5	2	77	79	3	57	60	1.5	36	37.5	3	53	56	0.5	51	51.5	1	22	23	0.5	26	26.5	0	9	9	0.5	25	25.5	2	61	63	5	76	81	2	41	43	6	51	57	2	39	42
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	19	19	0	30	30	0	17	17	0	14	14	0	31	31	0	4	4	0	0	0	0	0	0	0	14.5	14.5	0	4	4	0	16	16	0	56	56	0	8	8	0	8	8	11	80	91	7	31	38	3	50	53	1	23	24
HAKE, SILVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE	0	273	273	0	624	624	0	4362	4362	0	348	348	0	170	170	0	143	143	0	173	173	0	47	47	0	30	30	0	73	73	0	490	490	0	259	259	0	101	101	0	124	124	0	51	51	0	42	42	0	14	14	0	431	431
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LITTLE SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	9	0	0	0	4	0	4	11	0	11	10	0	10	5	0	5	0	0	0	0	0	0	12	0	12
LOBSTER	29	0	29	4	0	4	16	0	16	23	0	23	26	0	26	24	0	24	30	0	30	8	0	8	0	0	0	0	0	0	0	0	0	14	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
LUMPFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	14	0	0	0	0	0	0	14	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONKFISH, ROUND	17	243	260	8	231	239	10	338	348	11	504	515	8	376	384	8	347	355	16	558	574	10	231	241	4	130	134	16	478	494	14	613	627	6	293	299	11	174	185	4	269	273	16	219	235	39	361	400	80	518	598	16	346	362
OCEAN POUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0
POLLOCK	0	30	30	0	50	50	0	168	168	0	0	0	0	13	13	0	38	38	0	82	82	0	30	30	0	38	38	0	34	34	0	0	0	0	18	18	0	27	27	0	68	68	0	440	440	0	599	599	0	30	30	0	104	104
REDFISH	0	2	2	0	0	0	0	0	0	0	6	6	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	9	10	0	10	1	1	2
SEA RAVEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORT FINNED SQUID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, BARNDOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, NK	0	0	0	0	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	64	0	64	18	0	18	25	0	25	5	0	5	57	0	57	0	0	0	0	0	0	12	0	12	7	0	7	8	0	8	12	0	12
SKATE, SMOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, THORNY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE-SIDED DOLPHIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER SKATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	130.5	606	736.5	99	975	1074	34	4965	4999	37	944	981	42	731	773	36.5	628	664.5	60.5	919	979.5	101	606	606	27	344.5	371.5	81	651	732	42	1194	1236	77.5	691	768.5	38.5	409	445.5	34	616	650	77	1054	1131	76	1423	1499	212	704	916			

TRIP ID	D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39					
HAUL#	1			2			3			4			5			6			7			8			9			10			11			12			13			14					
TREATMENT	Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental					
GEAR	Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh					
BLOCK #	1			7			6			11			12			16			17			15			14			13			8			10			2			3			Mean		
WEIGHT (lbs)	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	26	0	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
CRAB, CANCER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRAB, NK	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0.25	0	0.25	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	0	0	0	1	4	5	0	11	11	0	8	8	0	14	14	0	0	0	0	5	5	0	9	9	0.5	5	5.5	0	5	5	0	2	2	0	2	2	1	13	14	1	6	7	0	2	2	0	2	2	0	2	2	0	5	5
DEBRIS, FISH_ GEAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEBRIS, NK	0	0	0	0	0	0	50	0	50	0	0	0	0	0	0	0	0	0	50	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, FOURSPOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	0	0	0	0	0	0	0	0	0	0	2	2	0	6	6	0	4	4	0.5	2	2.5	0	0	0	0	2	2
FLOUNDER, WITCH	0	0	0	0	0	0	0	2.5	2.5	0	2	2	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, SILVER	0	0	0	0	0	0	0	0	0	0	0	0	0	41	41	0	0	0	0	51	51	0	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	28
HAKE, WHITE	0	206	206	0	121	121	0	60	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LITTLE SKATE	0	0	0	0	0	0	18	0	18	0	0	0	2	0	2	22	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
LOBSTER	0	0	0	0	0	0	12	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	8
LUMPFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
MONKFISH, ROUND	10	170	180	3	205	208	1	163	164	0	424	424	2	167	169	8	73	81	5	286	293	2	164	166	3	143	146	3	206	209	0	344	344	0	142	142	3	114	117	0	318	318	3	143	146	5	162	167	0	160	160	3	203	206
OCEAN POUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEA RAVEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SHORT FINNED SQUID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, BARNDOOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, NK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, SMOOTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKATE, THORNY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WHITE-SIDED DOLPHIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINTER SKATE	0	0	0	14	0	14	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	15	0	15	4	0	4	0	0	0	0	0	0	13	0	13	0	0	0	0	0	0	0	0	0	0	3	3
Total	10	376	386	21	330	351	81	236.5	317.5	0	434	434	20	229	249	30.25	73	103.25	61	371	432	55	239	288	40.5	174	214.5	99	211	310	6	346	352	36	144	180	34	129	163	10	330	340	69	149	218	76.5	213	292.5	28	160	188			

Table 4.1 Number of individuals caught for each of the commercially important species, haul by haul.

Control

TRIPID	C16M35		C16M35		C16M35		C16M35		C16M35		C16M35		C16M35		C16M35	
BLOCK #	10		9		8		7		6		1		2		3	
HAULNUM	1		2		3		4		5		6		7		8	
DISPOSITION	Discard	Kept	Discard	Kept	Discard	Kept	Discard	Kept	Discard	Kept	Discard	Kept	Discard	Kept	Discard	Kept
COD, ATLANTIC	4	34	0	12	0	0	0	0	0	0	0	0	0	1	0	3
CUSK	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
DAB (AMERICAN PLAICE)	19	29	29	56	8	41	5	36	7	26	3	21	29	45	19	45
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH (GREY SOLE)	38	95	5	28	4	18	4	15	6	26	12	20	18	47	29	37
LOUNDER, YELLOWTAIL (YELLOWTAI	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	1	6	0	2	0	0	0	0	0	1	0	1	1	8	1	11
HAKE, WHITE (W_HAKE)	0	3	0	7	0	11	0	13	0	9	0	6	0	3	0	0
HALIBUT	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
MONKFISH, ROUND	110	157	33	140	49	144	18	77	20	86	73	148	91	93	150	144
POLLOCK	0	5	0	24	0	3	0	0	0	1	0	0	0	48	0	1
REDFISH (OCEAN PERCH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Indiv		502		338		279		168		182		284		384		441
Total Indiv Discard	172		68		61		27		33		88		139		200	
Total Indiv Kept		330		270		218		141		149		196		245		241

Experimental

TRIPID	D05M35		D05M35			D05M35	D05M35		D05M35		D05M35		D05M35		D05M35	
BLOCK #	10		9			8	7		6		1		2		3	
HAULNUM	1		2			3	4		5		6		7		8	
DISPOSITION	Discard	Kept	Discard	Kept		Kept	Discard	Kept	Discard	Kept	Discard	Kept	Discard	Kept	Discard	Kept
COD, ATLANTIC	0	4	0	1	0	0	0	0	0	0	0	0	0	1	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB (AMERICAN PLAICE)	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	1
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH (GREY SOLE)	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
LOUNDER, YELLOWTAIL (YELLOWTAI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE (W_HAKE)	0	0	0	1	0	0	0	1	0	0	0	4	0	0	0	0
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
MONKFISH, ROUND	3	47	1	45	0	50	1	38	4	68	6	112	5	43	5	41
POLLOCK	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
REDFISH (OCEAN PERCH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Indiv		57		50		53		40		72		122		49		52
Total Indiv Discard	3		1		0		1		4		6		5		8	
Total Indiv Kept		54		49		53		39		68		116		44		44

Table 4a Number of individuals caught for each of the commercially important species, haul by haul. Total numbers and mean/per haul are also presented for all hauls pooled together.

TRIPID	C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36		
HAUL #	1			2			3			4			5			6			7			8			9			10			11			12			13			14		
TREATMENT	Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control		
GEAR	6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ		
BLOCK #	1			2			7			8			9			10			15			14			19			18			13			12			11			6		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	40	36	76	12	29	41	6	22	28	25	64	89	15	46	61	2	8	10	2	10	12	8	39	47	8	32	40	14	84	98	9	62	71	5	23	28	7	22	29	2	8	10
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	0	2	2	0	1	1	0	4	4	1	21	22	0	10	10	3	12	15	2	19	21	2	13	15	1	22	23	4	28	32	0	0	0	0	1	1	3	10	13	0	0	0
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	0	0	0	2	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	3	3	0	7	7	0	0	0	0	0	0	0	0	0
HAKE, WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONKFISH, ROUND	0	14	14	1	14	15	1	12	13	2	18	20	0	10	10	1	14	15	1	14	15	2	21	23	0	10	10	1	12	13	2	13	15	0	5	5	1	9	10	3	7	10
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

6.5 SQ	Total			Mean		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	2	2	0	0	0
CUSK	0	0	0	0	0	0
DAB	155	485	640	11	35	46
DOGFISH, SPINY	0	0	0	0	0	0
FLOUNDER, WITCH	16	143	159	1	10	11
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0
HADDOCK	0	14	14	0	1	1
HAKE, WHITE	0	0	0	0	0	0
HALIBUT	0	0	0	0	0	0
MONKFISH, ROUND	15	173	188	1	12	13
POLLOCK	0	2	2	0	0	0
REDFISH	0	0	0	0	0	0

TRIPID	D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36			D05M36		
HAUL #	1			2			3			4			5			6			7			8			9			10			11			12			13			14		
TREATMENT	Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental		
GEAR	Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh		
BLOCK #	1			2			7			8			9			10			15			14			19			18			13			12			11			6		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	0	1	1	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	4	4	0	3	3	0	1	1	0	0	0	0	0	0
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONKFISH, ROUND	0	5	5	0	4	4	0	8	8	0	5	5	0	3	3	0	10	10	0	12	12	0	10	10	0	7	7	0	9	9	0	8	8	0	9	9	0	6	6	0	6	6
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Large mesh	Total			Mean		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0
CUSK	0	0	0	0	0	0
DAB	0	12	12	0	1	1
DOGFISH, SPINY	0	0	0	0	0	0
FLOUNDER, WITCH	0	0	0	0	0	0
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0
HADDOCK	0	0	0	0	0	0
HAKE, WHITE	0	0	0	0	0	0
HALIBUT	0	0	0	0	0	0
MONKFISH, ROUND	0	102	102	0	7	7
POLLOCK	0	0	0	0	0	0
REDFISH	0	0	0	0	0	0

Table 4b Number of individuals caught for each of the commercially important species, haul by haul. Total numbers and mean/per haul are also presented for all hauls pooled together.

TRIPID	C16M37			C16M37			C16M37			C16M37			C16M37			C16M37			C16M37			C16M37			C16M37		
HAUL #	1			2			3			4			5			6			7			8			9		
TREATMENT	Control			Control			Control			Control			Control			Control			Control			Control			Control		
GEAR	6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ		
BLOCK #	9			14			15			19			13			17			12			11			6		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	1	1	0	3	3	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	1	1
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	16	165	181	11	128	139	1	37	38	16	76	92	11	102	113	10	96	106	5	63	68	5	43	48	8	88	96
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	2	15	17	3	71	74	0	13	13	6	21	27	1	23	24	3	44	47	0	23	23	5	67	72	2	11	13
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	0	0	0	1	1	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
HAKE, WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONKFISH, ROUND	7	25	32	6	37	43	0	5	5	2	7	9	3	13	16	1	11	12	1	10	11	2	9	11	4	0	4
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

6.5 SQ	Total			Mean		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	8	8	0	1	1
CUSK	0	0	0	0	0	0
DAB	83	798	881	6	57	63
DOGFISH, SPINY	0	0	0	0	0	0
FLOUNDER, WITCH	22	288	310	2	21	22
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0
HADDOCK	0	4	4	0	0	0
HAKE, WHITE	0	0	0	0	0	0
HALIBUT	0	0	0	0	0	0
MONKFISH, ROUND	26	117	143	2	8	10
POLLOCK	0	0	0	0	0	0
REDFISH	0	0	0	0	0	0

TRIPID	D05M37			D05M37			D05M37			D05M37			D05M37			D05M37			D05M37			D05M37			D05M37		
HAUL #	1			2			3			4			5			6			7			8			9		
TREATMENT	Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental		
GEAR	Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh		
BLOCK #	9			14			15			19			13			17			12			11			6		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	0	1	1	0	0	0	0	1	1	1	9	10	0	2	2	0	9	9	0	3	3	0	2	2	0	7	7
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONKFISH, ROUND	0	6	6	1	22	23	0	6	6	0	3	3	0	15	15	0	16	16	0	12	12	0	7	7	2	14	16
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Large Mesh	Total			Mean		
NUMBER OF.INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	1	1	0	0	0
CUSK	0	0	0	0	0	0
DAB	1	34	35	0	2	3
DOGFISH, SPINY	0	0	0	0	0	0
FLOUNDER, WITCH	0	5	5	0	0	0
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0
HADDOCK	0	0	0	0	0	0
MONKFISH, ROUND	3	101	104	0	7	7
POLLOCK	0	0	0	0	0	0
REDFISH	0	0	0	0	0	0

Table 4c Number of individuals caught for each of the commercially important species, haul by haul. Total numbers and mean/per haul are also presented for all hauls pooled together.

TRIP ID	C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36		
HAUL #	1			2			3			4			5			6			7			8		
TREATMENT	Control			Control			Control			Control			Control			Control			Control			Control		
GEAR	6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ		
BLOCK #	1			7			6			11			12			16			17			12		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	11	15	26	9	28	37	6	41	47	5	39	44	2	42	44	6	12	18	5	10	15	4	28	32
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	11	16	27	4	19	23	2	10	12	0	14	14	3	88	91	11	71	82	9	116	125	0	26	26
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	3	3	0	5	5	0	6	6	0	1	1	0	5	5	0	0	0	0	1	1	0	1	1
HAKE, WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
MONKFISH, ROUND	10	21	31	15	42	57	17	46	63	11	21	32	3	15	18	0	8	8	2	20	22	9	22	31
POLLOCK	0	7	7	0	0	0	0	0	0	0	0	0	0	10	10	0	2	2	0	5	5	0	0	0
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRIP ID	C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36			C16M36		
HAUL #	9			10			11			12			13			14			15			16		
TREATMENT	Control			Control			Control			Control			Control			Control			Control			Control		
GEAR	6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ			6.5SQ		
BLOCK #	18			19			20			15			14			8			10			8		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0	1	1	1	14	15	0	1	1
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	11	60	91	8	61	69	13	57	70	0	43	43	1	35	36	5	25	30	12	15	27	13	54	67
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	1	19	20	2	21	23	0	65	65	1	19	20	0	13	13	1	18	19	12	76	88	12	45	57
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	0	0	0	1	1	0	1	1	0	5	5	0	1	1	0	3	3	0	1	1	0	1	1
HAKE, WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONKFISH, ROUND	11	32	43	8	29	37	4	14	18	7	18	25	9	22	31	4	28	32	19	41	60	20	49	69
POLLOCK	0	3	3	0	3	3	0	5	5	0	3	3	0	5	5	0	2	2	0	11	11	0	40	40
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

6.5 SQ	Total			Mean		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	1	24	25	0	1	1
CUSK	0	0	0	0	0	0
DAB	121	623	744	7	35	41
DOGFISH, SPINY	0	0	0	0	0	0
FLOUNDER, WITCH	102	714	816	6	40	45
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0
HADDOCK	0	36	36	0	2	2
HAKE, WHITE	0	0	0	0	0	0
HALIBUT	1	0	1	0	0	0
MONKFISH, ROUND	185	516	701	10	29	39
POLLOCK	0	113	113	0	6	6
REDFISH	0	0	0	0	0	0

TRIP ID	D05M38			D05M38			D05M38			D05M38			D05M38			D05M38			D05M38			D05M38		
HAUL #	1			2			3			4			5			6			7			8		
TREATMENT	Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental		
GEAR	Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh		
BLOCK #	1			7			6			11			12			16			17			13		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	0	0	0	0	3	3	0	3	3	0	0	0	0	4	4	1	3	4	0	1	1	0	5	5
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	1	1	0	2	2	0	0	0
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	1	1	0	0	0	0	5	5
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONKFISH, ROUND	0	16	16	1	41	42	2	38	40	1	32	33	0	19	19	0	20	20	0	34	34	2	25	27
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TRIP ID	D05M38			D05M38			D05M38			D05M38			D05M38			D05M38			D05M38			D05M38		
HAUL #	9			10			11			12			13			14			15			16		
TREATMENT	Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental		
GEAR	Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh		
BLOCK #	18			19			20			15			14			8			10			8		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	0	2	2	0	2	2	0	3	3	0	2	2	0	1	1	0	0	0	0	0	0	0	1	1
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	0	1	1	0	0	0	0	3	3	0	2	2	0	1	1	0	2	2	0	1	1	0	0	0
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONKFISH, ROUND	0	20	20	0	27	27	0	19	19	1	14	15	1	12	13	0	12	12	0	30	30	1	39	40
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Large Mesh	Total			Mean		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	3	3	0	0	0
CUSK	0	0	0	0	0	0
DAB	1	29	30	0	2	2
DOGFISH, SPINY	0	0	0	0	0	0
FLOUNDER, WITCH	0	19	19	0	1	1
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0
HADDOCK	0	1	1	0	0	0
HAKE, WHITE	0	11	11	0	1	1
HALIBUT	0	0	0	0	0	0
MONKFISH, ROUND	13	481	494	1	27	27
POLLOCK	0	0	0	0	0	0
REDFISH	0	1	1	0	0	0

Table 4d Number of individuals caught for each of the commercially important species, haul by haul. Total numbers and mean/per haul are also presented for all hauls pooled together.

TRIPID	C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39			C16M39		
HAUL #	1			2			3			4			5			6			7			8			9			10			11			12			13			14			15		
TREATMENT	Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control			Control		
GEAR	6.85Q			6.85Q			6.85Q			6.85Q			6.85Q			6.85Q			6.85Q			6.85Q			6.85Q			6.85Q			6.85Q			6.85Q			6.85Q			6.85Q			6.85Q		
BLOCK #	1			7			6			11			12			16			17			18			19			15			14			13			8			9			10		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	2	3	0	3	3	0	1	1	2	0	2	0	1	1	0	0	0	0	1	1	0	2	2	1	17	18	1	29	30	0	2	2
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	6	17	23	3	21	24	1	22	23	2	29	31	5	26	31	3	24	27	3	29	32	5	86	91	7	49	56	8	27	35	1	25	26	1	34	35	5	40	45	10	42	52	8	15	23	0	1	1	2	22	24
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	10	18	28	5	7	12	4	31	35	2	21	23	4	55	59	5	49	54	3	31	34	7	39	46	1	38	39	2	20	22	1	23	24	0	10	10	1	24	25	4	53	57	12	69	81	5	42	47	12	55	67
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	4	4	0	5	5	0	3	3	0	3	3	0	6	6	0	1	1	0	0	0	0	0	0	0	3	3	0	1	1	0	3	3	0	9	9	0	2	2	0	2	2	6	22	28	3	8	11	2	11	13
HAKE, WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONKFISH, ROUND	12	41	53	6	33	39	7	42	49	8	65	73	6	55	61	5	52	57	11	73	84	3	34	37	2	22	24	11	78	89	11	88	99	4	38	42	8	33	41	3	48	51	10	35	45	31	74	105	57	88	145
POLLOCK	0	4	4	0	6	6	0	13	13	0	0	0	0	2	2	0	6	6	0	10	10	0	6	6	0	6	6	0	4	4	0	1	1	0	1	1	0	3	3	0	9	9	0	47	47	0	66	66	0	4	4
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

6.85Q	Total			Mean		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	5	59	64	0	3	4
CUSK	0	0	0	0	0	0
DAB	70	509	579	4	30	34
DOGFISH, SPINY	0	0	0	0	0	0
FLOUNDER, WITCH	78	585	663	5	34	39
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0
HADDOCK	11	83	94	1	5	6
HAKE, WHITE	0	2	2	0	0	0
HALIBUT	0	0	0	0	0	0
MONKFISH, ROUND	195	899	1094	11	53	64
POLLOCK	0	188	188	0	11	11
REDFISH	0	0	0	0	0	0

TRIPID	D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39			D05M39		
HAUL #	1			2			3			4			5			6			7			8			9			10			11			12			13			14			15			16		
TREATMENT	Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental			Experimental		
GEAR	Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh			Large Mesh		
BLOCK #	1			7			6			11			12			16			17			18			19			15			14			13			8			9			10			2		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CUSK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DAB	0	0	0	1	2	3	0	5	5	0	4	4	0	7	7	0	0	0	0	4	4	0	5	5	1	4	5	0	3	3	0	1	1	0	1	1	1	7	8	1	3	4	0	1	1	0	1	1	0	0	0
DOGFISH, SPINY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOUNDER, WITCH	0	0	0	0	0	0	0	2	2	0	1	1	0	1	1	0	0	0	0	1	1	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	1	1	0	3	3	0	3	3	1	1	2	0	0	0
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HADDOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAKE, WHITE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HALIBUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONKFISH, ROUND	5	16	21	2	27	29	1	31	32	0	52	52	1	24	25	3	9	12	2	34	36	1	21	22	1	14	15	3	29	32	0	38	38	0	12	12	1	18	19	0	31	31	1	22	23	3	35	38	0	22	22
POLLOCK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
REDFISH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Large Mesh	Total			Mean		
NUMBER OF INDIVIDUALS	Discard	Kept	Total	Discard	Kept	Total
COD, ATLANTIC	0	2	2	0	0	0
CUSK	0	0	0	0	0	0
DAB	4	48	52	0	3	3
DOGFISH, SPINY	0	0	0	0	0	0
FLOUNDER, WITCH	1	16	17	0	1	1
FLOUNDER, YELLOWTAIL	0	0	0	0	0	0
HADDOCK	0	0	0	0	0	0
HAKE, WHITE	0	0	0	0	0	0
HALIBUT	0	0	0	0	0	0
MONKFISH, ROUND	24	435	459	1	28	27
POLLOCK	0	1	1	0	0	0
REDFISH	0	0	0	0	0	0

Table 5a Average catch by weight (lbs.) and number for each month.

Total Catch

	Total		Kept		Discard	
	Control	Experimental	Control	Experimental	Control	Experimental
March	1474	548	1044	502	358	50
November	236	92	185	70	51	23
December	490	147	387	116	100	31
January	691	287	462	236	220	51
February	1095	288	1041	248	62	41

Monfkfish Catch

	Total		Kept		Discard	
	Control	Experimental	Control	Experimental	Control	Experimental
March	765	392	657	386	108	6
November	87	68	86	68	2	0
December	108	102	105	101	4	1
January	196	212	182	211	14	1
February	348	209	346	203	16	3

Total Number of Monkfish caught by experimental category

	Total		Kept		Discard	
	Control	Experimental	Control	Experimental	Control	Experimental
March	1533	469	989	444	544	25
November	188	102	173	102	15	0
December	143	104	117	101	26	3
January	701	494	516	481	185	13
February	1094	459	899	435	195	24

Table 5b Average catch by weight (lbs.) and number for each months pooled data. as well as the Catch Per Unit Effort in Weights of both the control and experimental.

Pooled Total Catch

	Total		Kept		Discard	
	Control	Experimental	Control	Experimental	Control	Experimental
(March, December, January, February)	797	272	623	234	158	39

Pooled Monfkfish Catch

	Total		Kept		Discard	
	Control	Experimental	Control	Experimental	Control	Experimental
(March, December, January, February)	300	196	274	193	28	2

CPUE Weights

	Control	Exp
(March, December, January, February)	448	150

Table 6a Results of t-tests comparing the control net catch to the experimental net catch for each month.
Control Vs. Experimental

Weight

Month	Kept	Discard	Total
March	**	***	***
November	***	**	***
December	***	**	***
January	***	*	***
February	*	*	***

Individuals

Month	Kept	Discard	Total
March	***	**	***
November	***	***	***
December	***	***	***
January	***	***	***
February	***	***	***

*	**$P \leq 0.05$**
**	**$P \leq 0.01$**
***	**$P \leq 0.001$**
NS	**Not Significant**

Weight (Monkfish)

Month	Kept	Discard	Total
March	**	**	**
November	NS	*	NS
December	NS	*	NS
January	NS	***	NS
February	***	**	***

Individuals (Monkfish)

Month	Kept	Discard	Total
March	***	**	***
November	***	***	***
December	NS	**	NS
January	NS	***	**
February	***	***	***

Pooled CPUE Weights
(March, December, January, February)

Total
***

Table 6b Results of the t-tests comparing the control net catch to the experimental net catch for the pooled data.
Pooled Data

Pooled (March, December, January, February) Weights

Kept	Discard	Total
***	***	***

Pooled (March, December, January, February) Individuals

Kept	Discard	Total
***	***	***

Pooled (March, December, January, February) Monkfish Weights

Kept	Discard	Total
***	***	***

Pooled (March, December, January, February) Monkfish Individuals

Kept	Discard	Total
***	***	***

*	$P \leq 0.05$
**	$P \leq 0.01$
***	$P \leq 0.001$
NS	Not Significant

Table 6c T-test significance for the kept vs discard weights
for both the control and experimental configurations on a monthly and pooled basis.

Kept Vs. Discard

	Weights	
Month	Control	Experimental
March	***	***
November	***	***
December	***	**
January	**	***
February	**	***

*	$P \leq 0.05$
**	$P \leq 0.01$
***	$P \leq 0.001$
NS	Not Significant

Pooled Weights **(March, December, January, February)**

Control	Experimental
***	***

Figure 1 Experimental trawl used in the months, December, January, February and March.

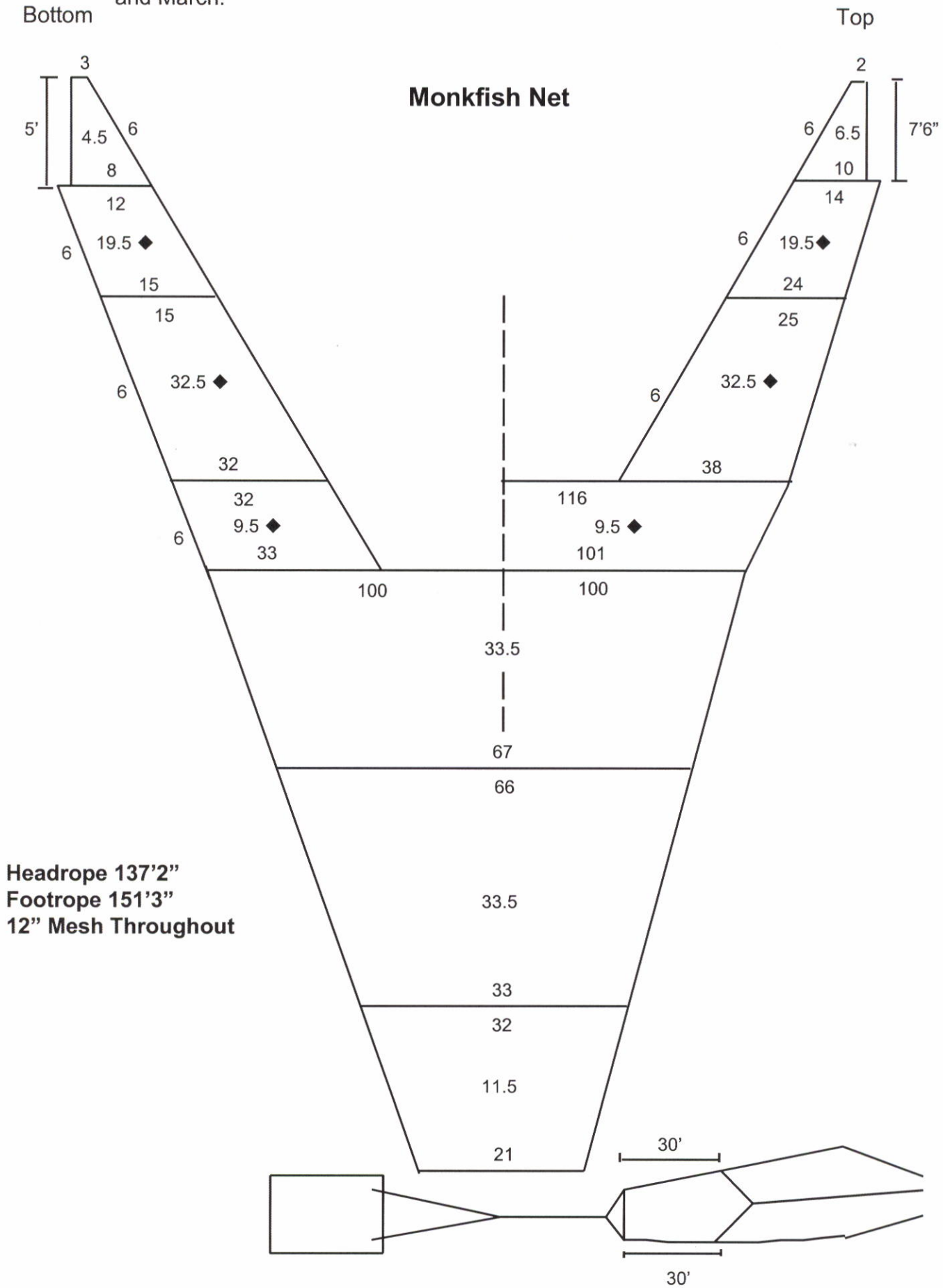


Figure 2 Experimental trawl used in November.

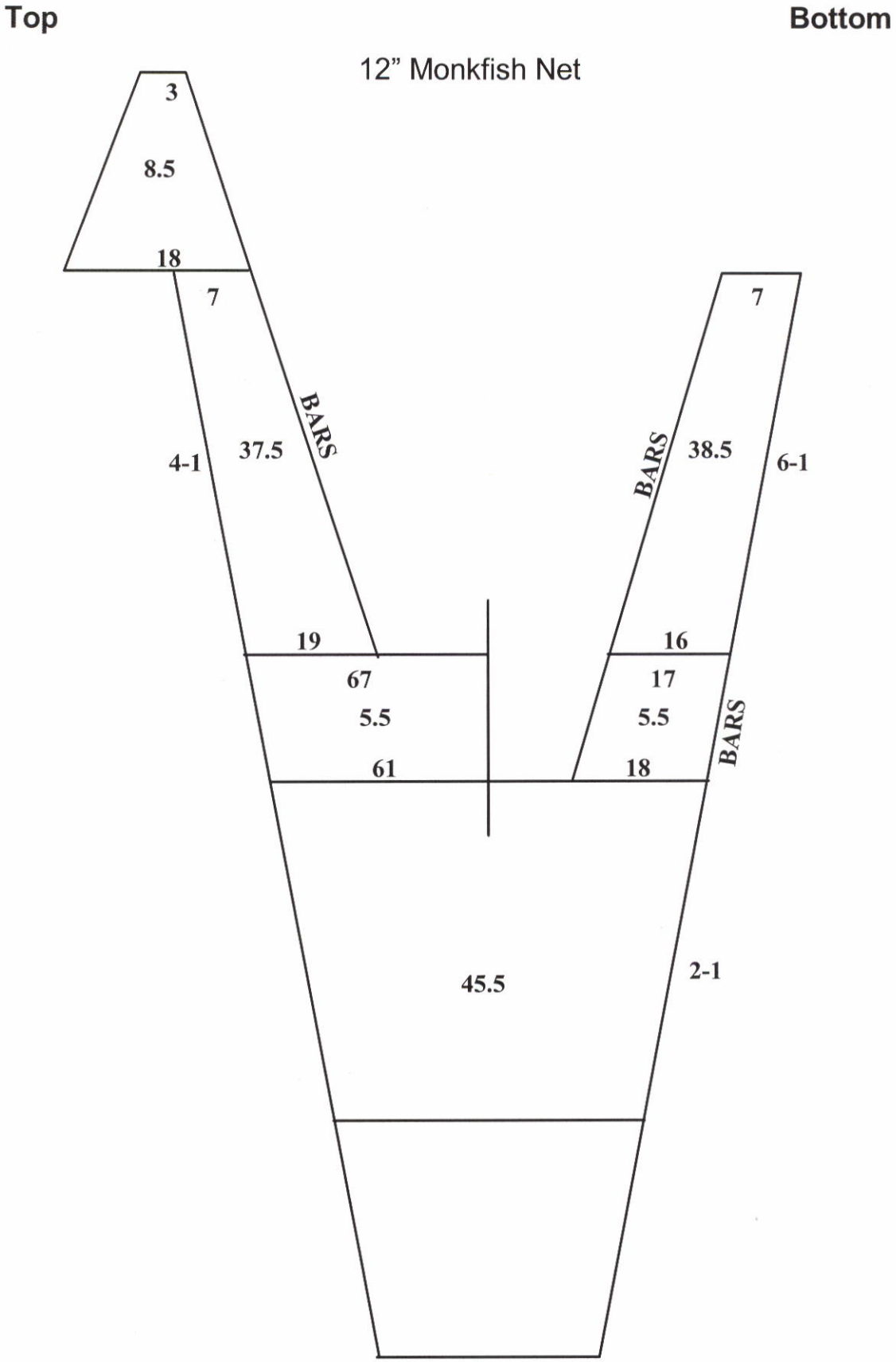


Figure 3a Experimental area within Northern Fisheries Management Area.

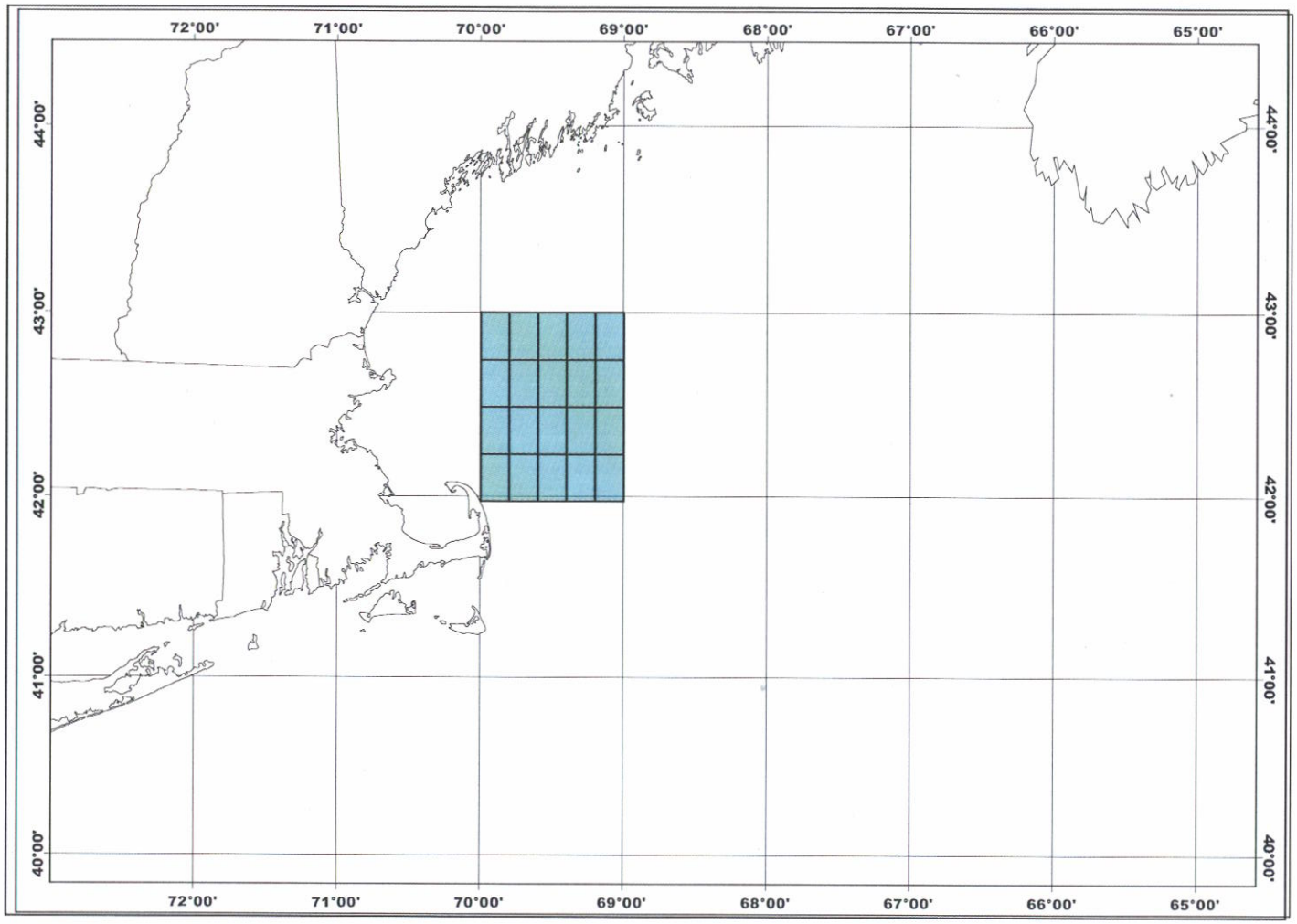


Figure 3b Sample areas subjected to closures in experimental area in grey.

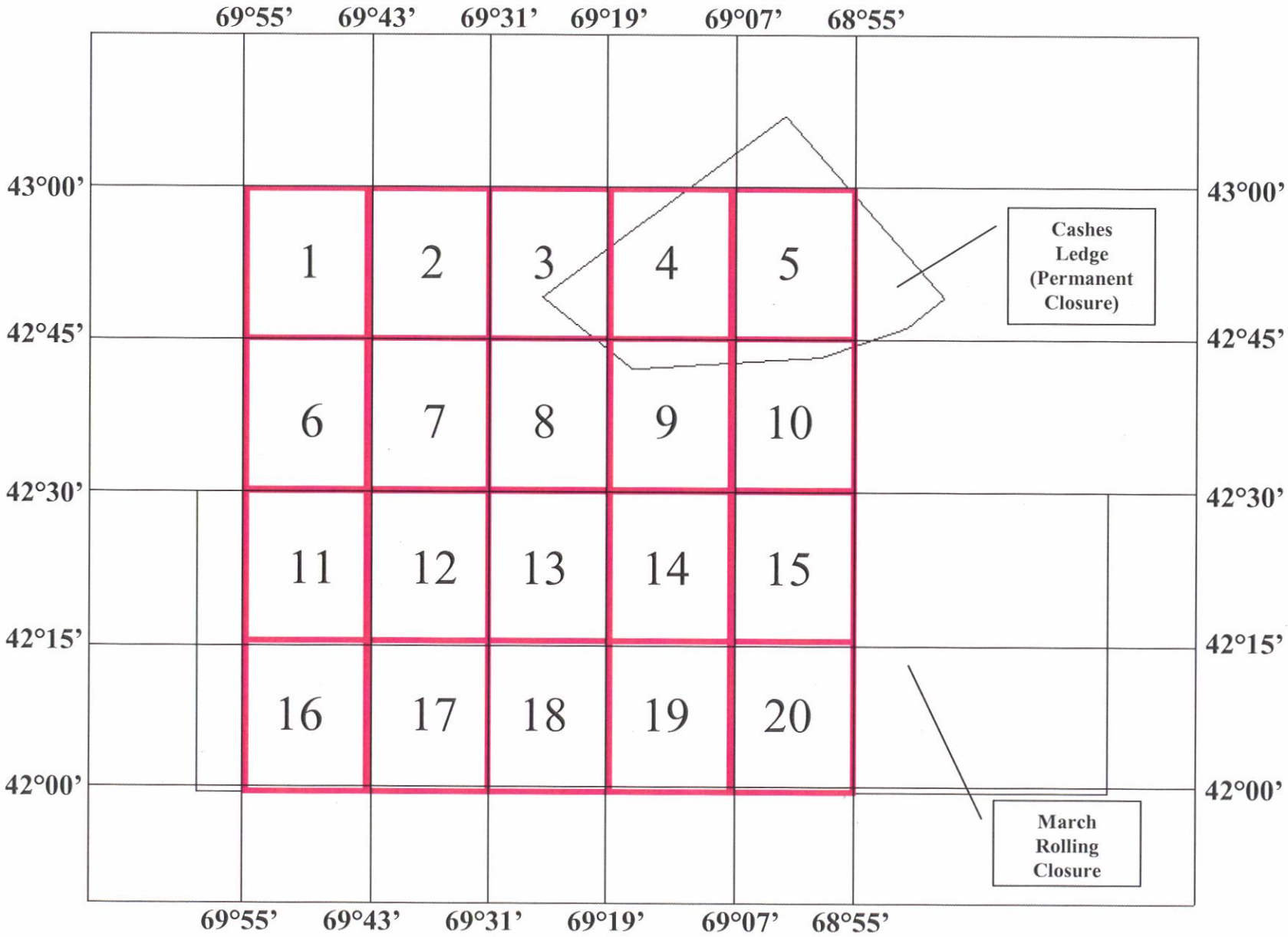


Figure 4a Monthly maps of boxes surveyed.
November Trip

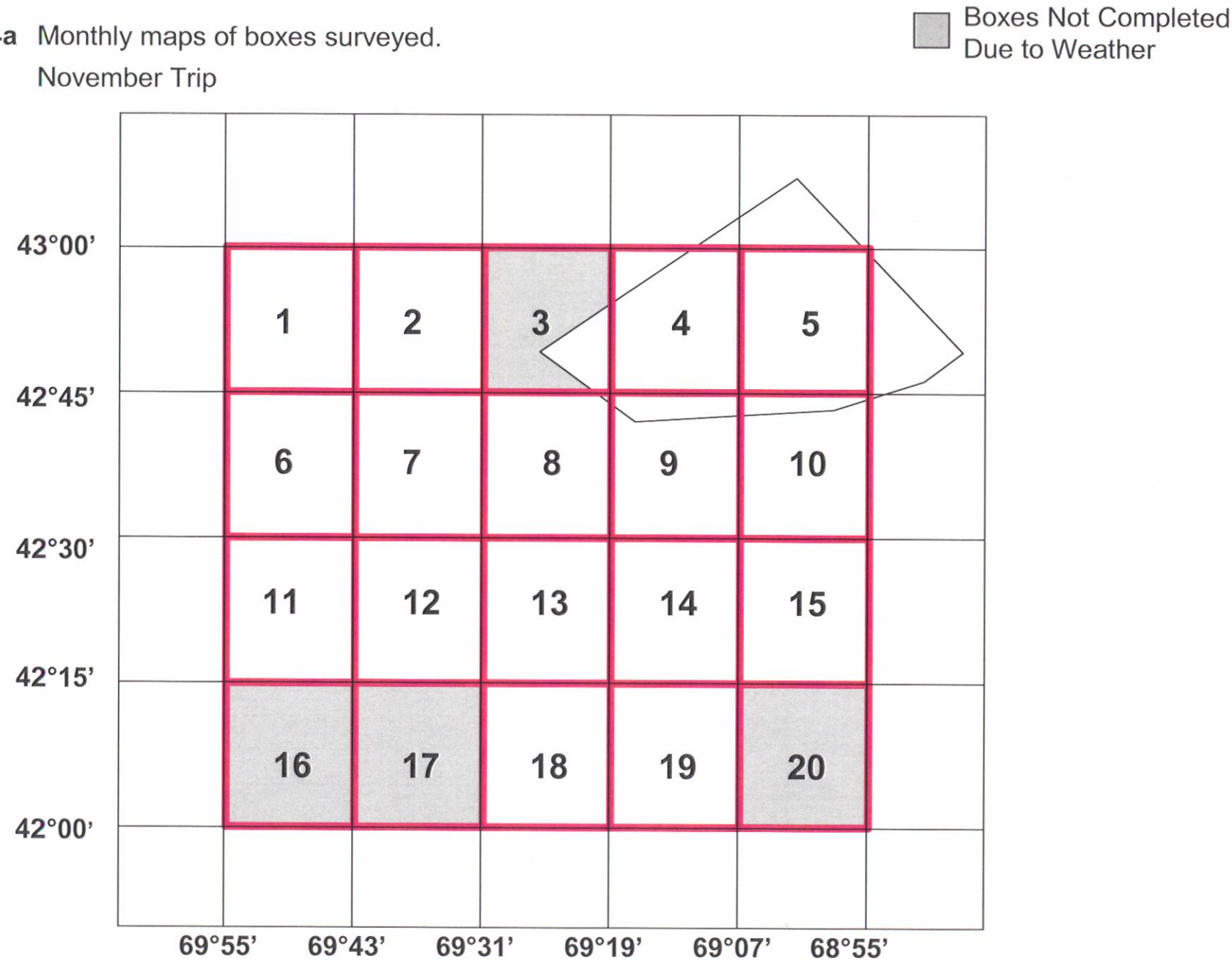


Figure 4b Monthly maps of boxes surveyed.
December Trip

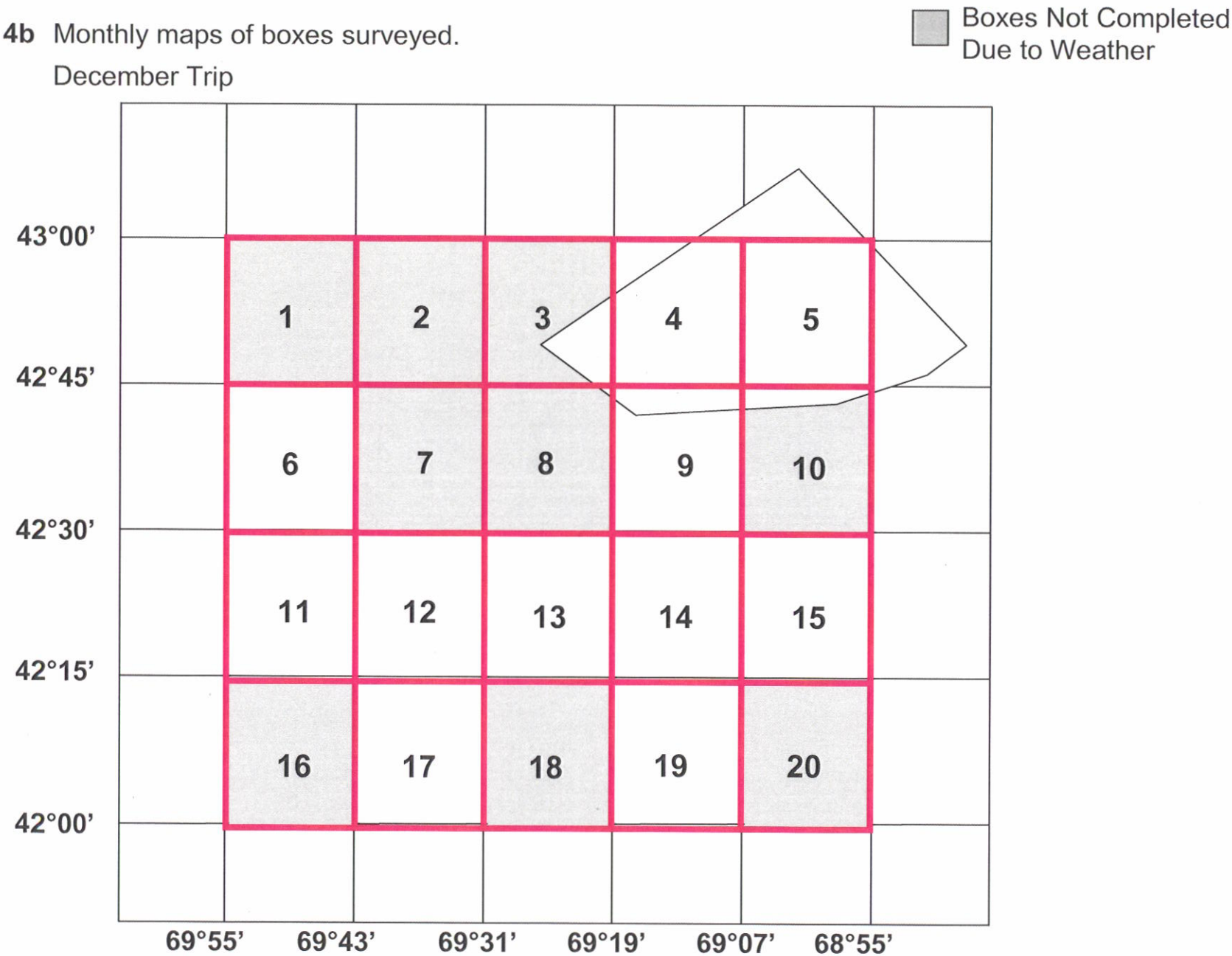


Figure 4c Monthly maps of boxes surveyed.

January Trip

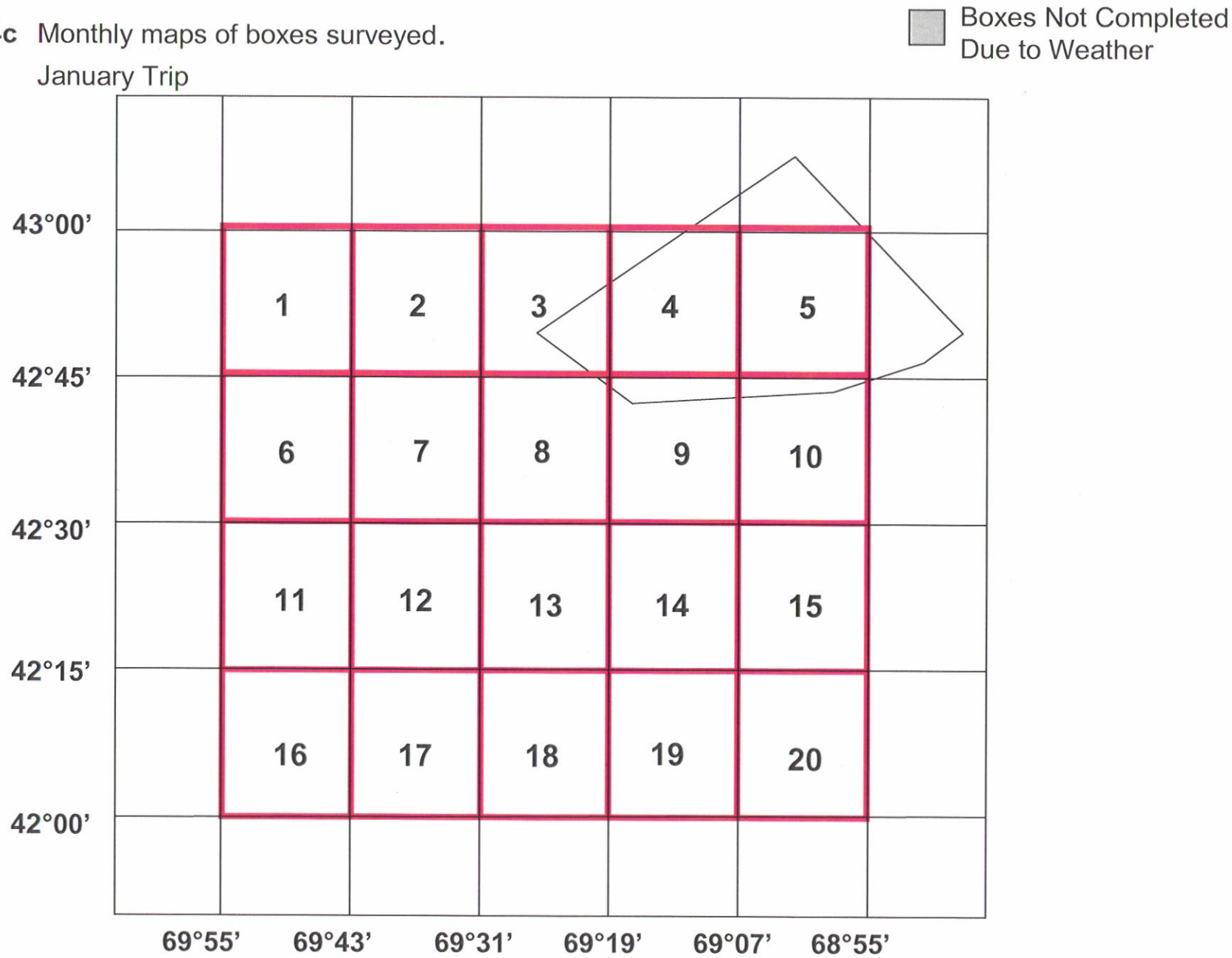


Figure 4d Monthly maps of boxes surveyed.

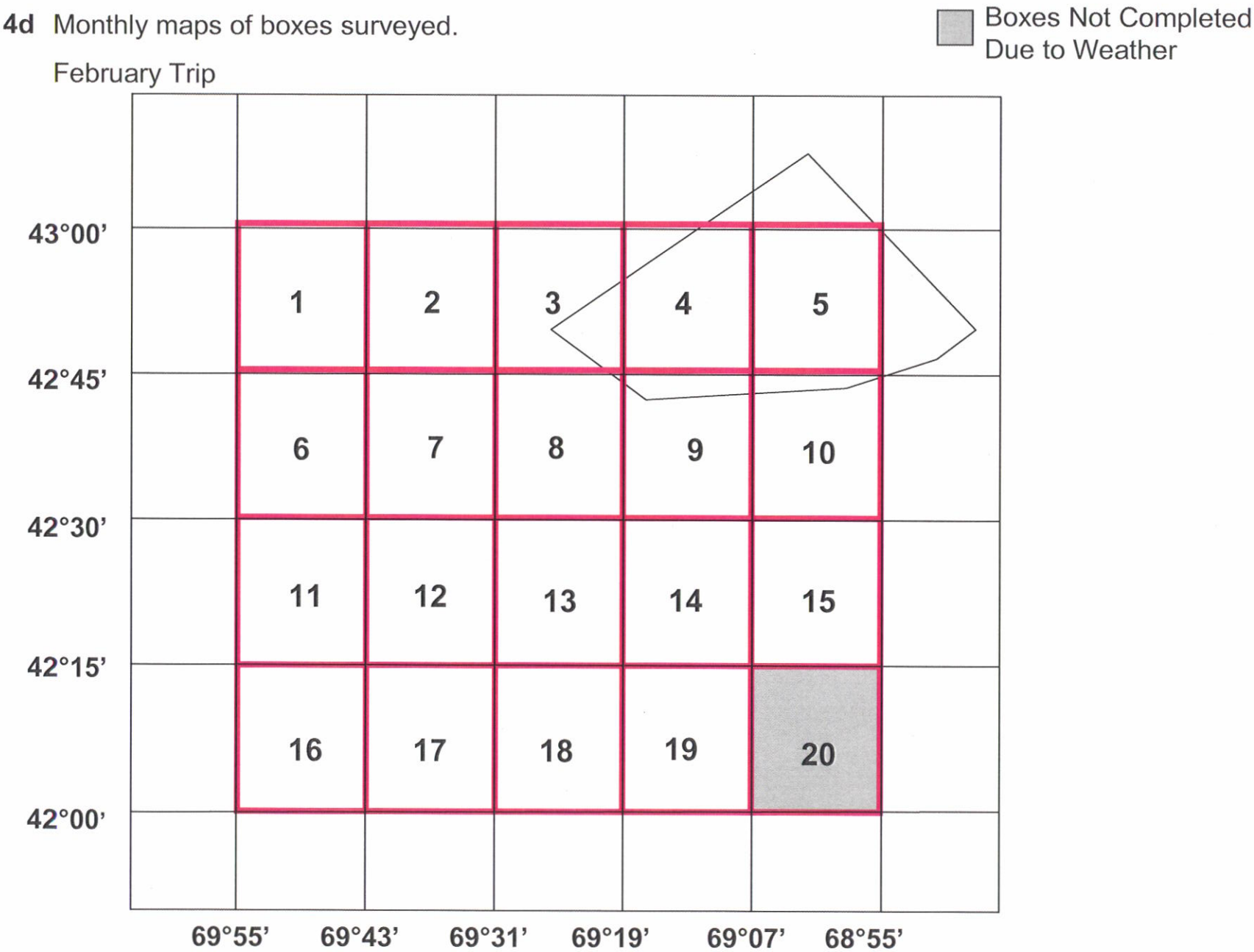


Figure 5 Total catch, kept catch, discarded catch for the control and experimental net by weight.

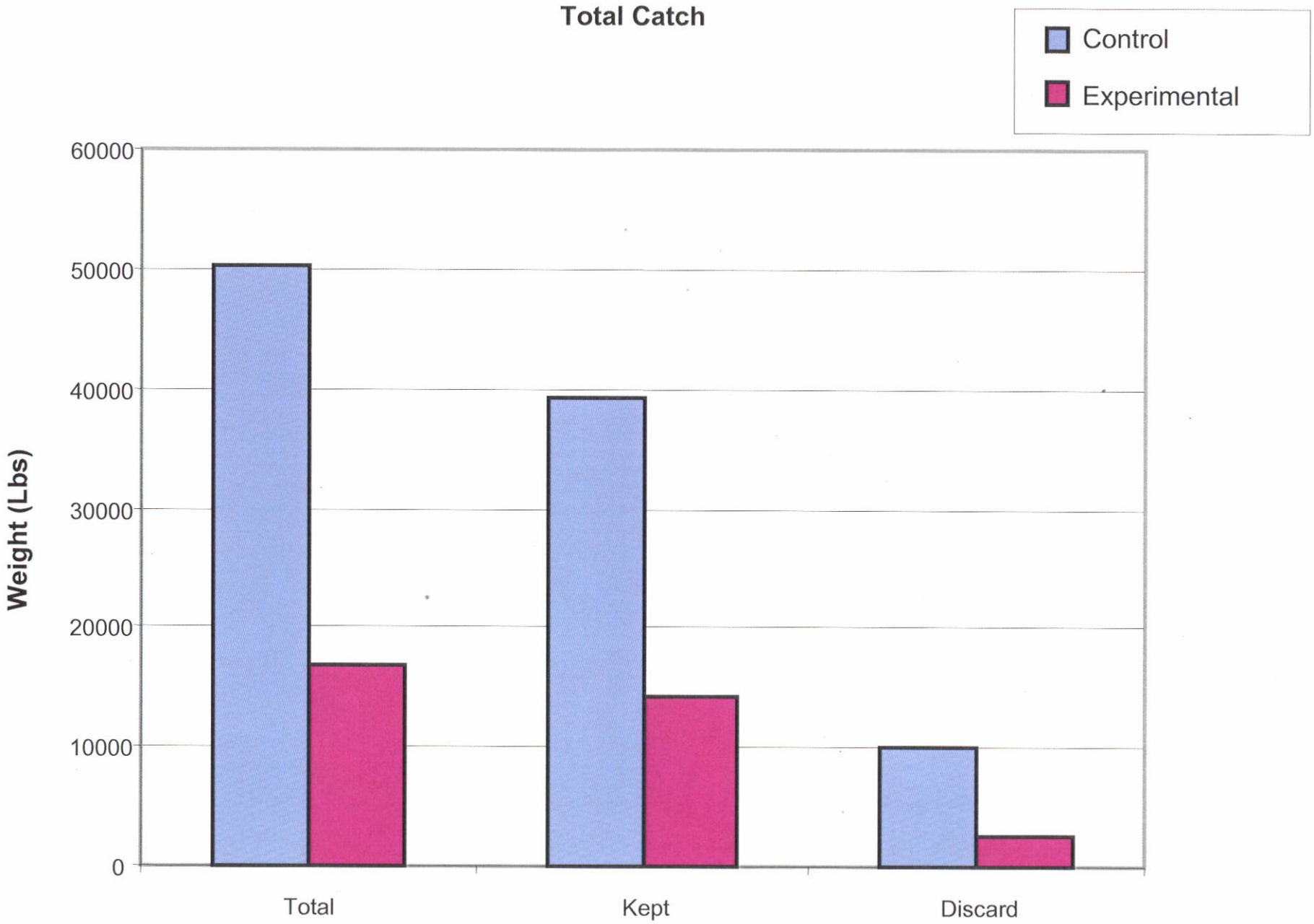


Figure 6 Catch by species for both the control and experimental nets.

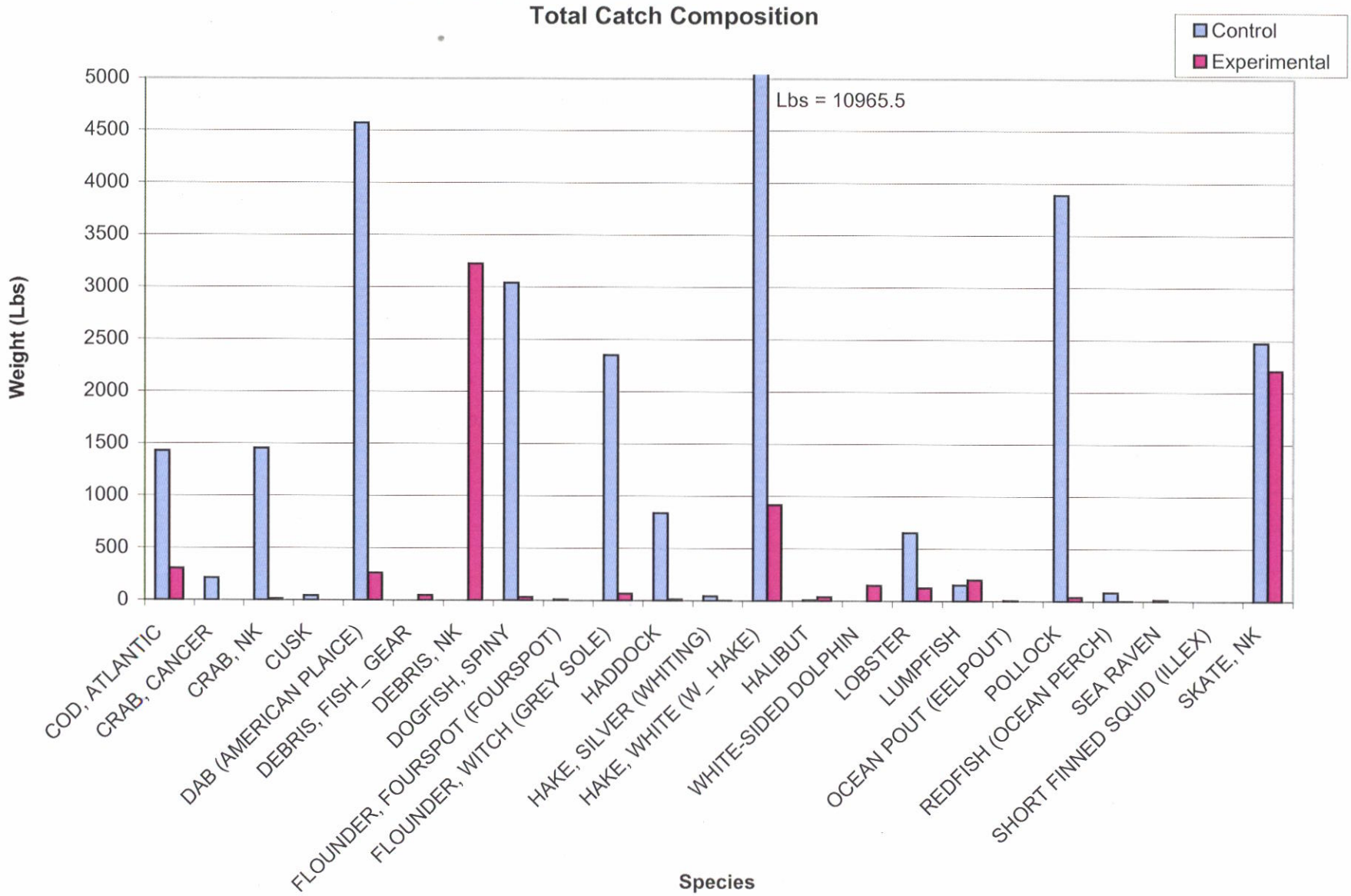


Figure 7a Composition of the catch by category (flatfish, roundfish, monkfish, skates, invertebrates, white-sided dolphin, debris and other) for a) the total catch b) the kept catch and c) the discarded catch.

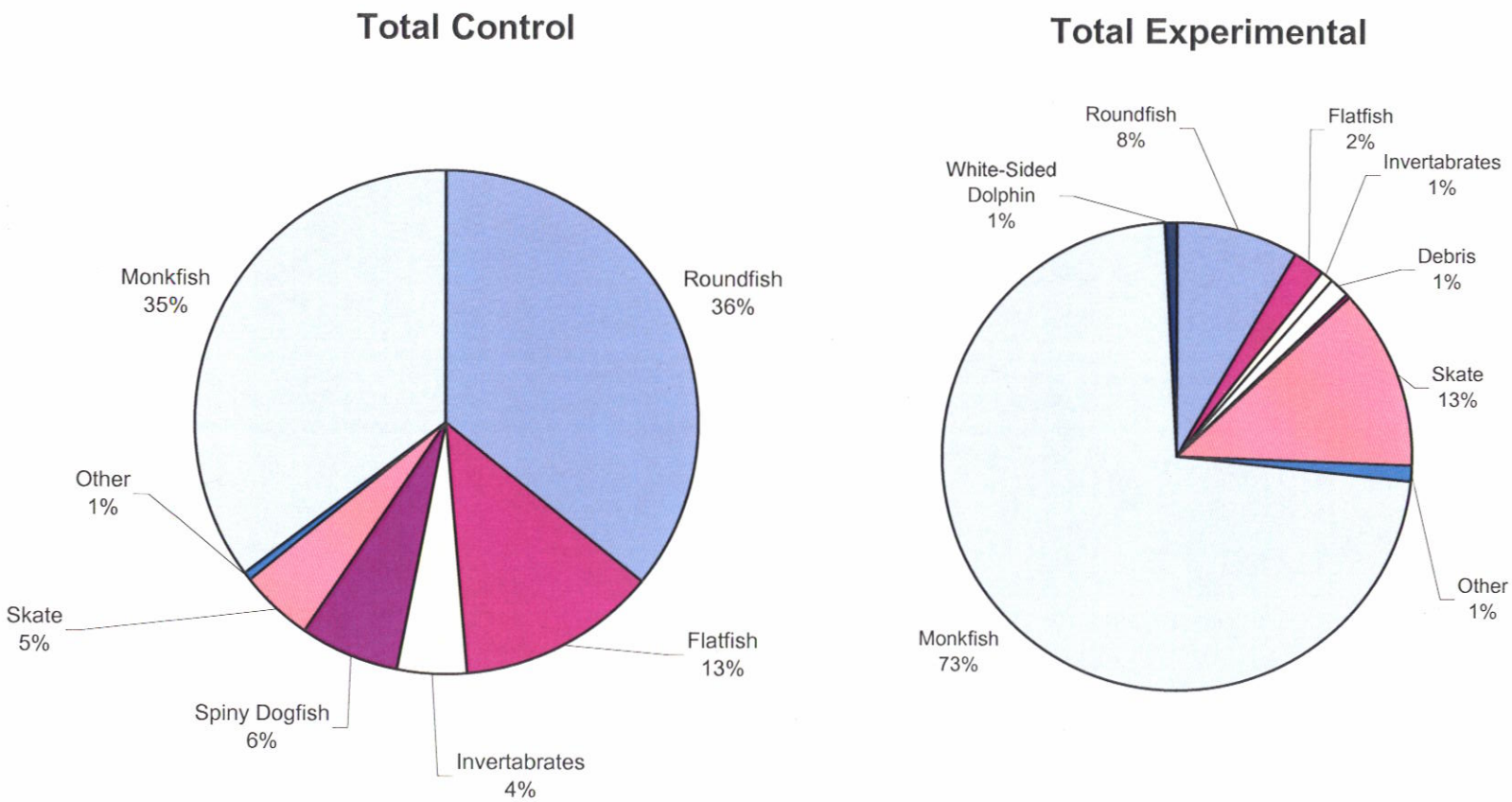
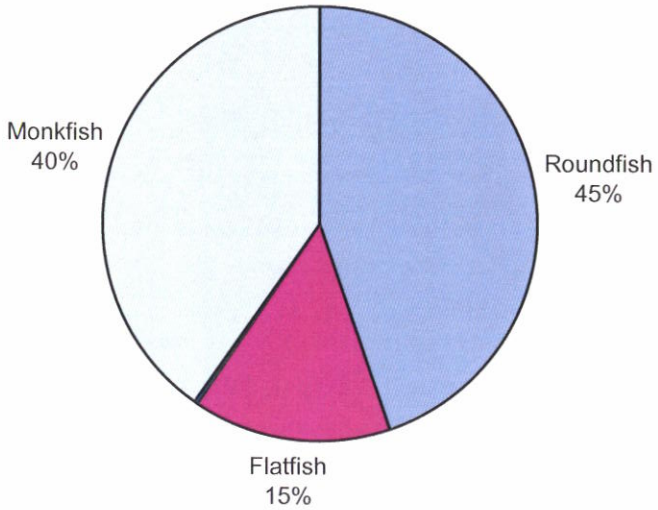


Figure 7b Composition of the catch by category (flatfish, roundfish, monkfish, skates, invertebrates, white-sided dolphin, debris and other) for a) the total catch b) the kept catch and c) the discarded catch.

Kept Control



Kept Experimental

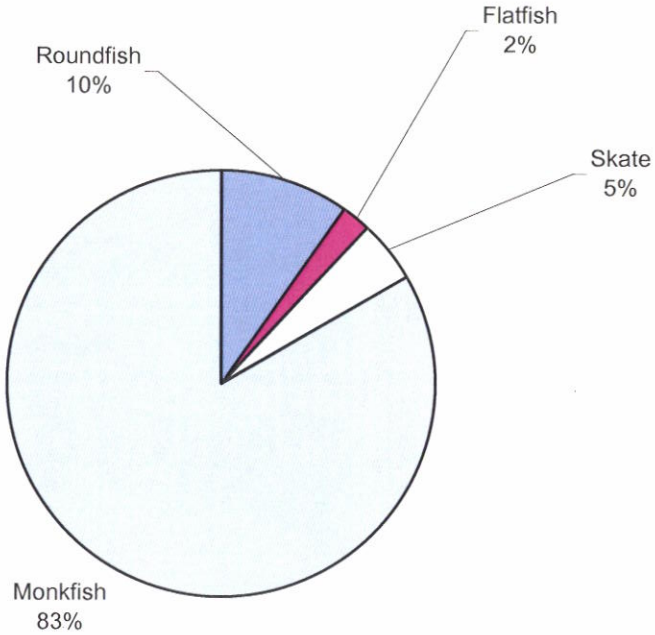
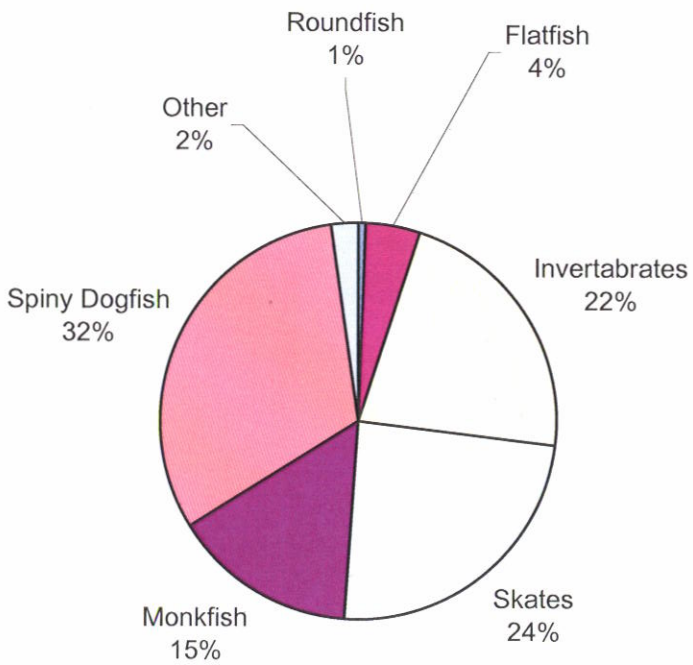


Figure 7c Composition of the catch by category (flatfish, roundfish, monkfish, skates, invertebrates, white-sided dolphin, debris and other) for a) the total catch b) the kept catch and c) the discarded catch.

Discard Control



Discard Experimental

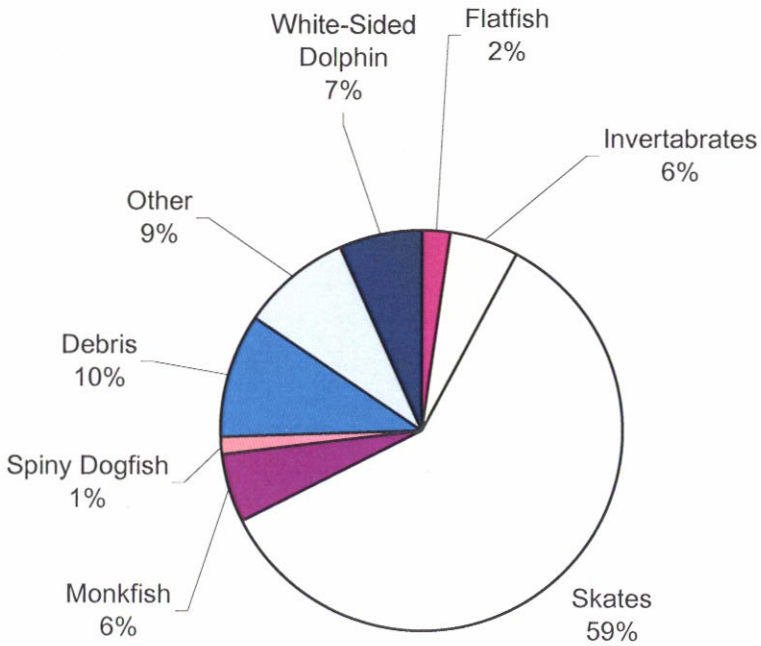


Figure 8 Monkfish catch by weight according to the experimental and control nets.

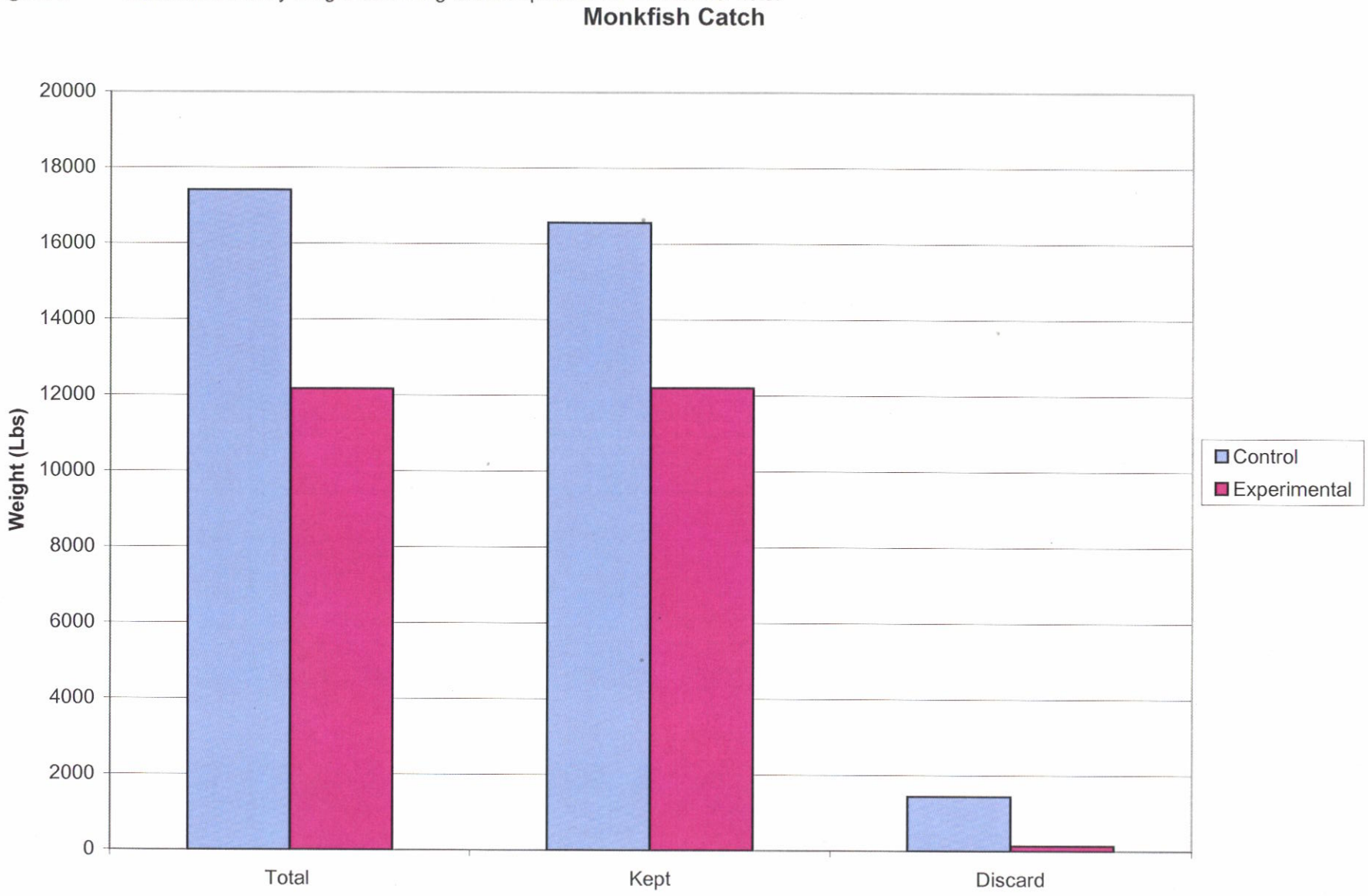
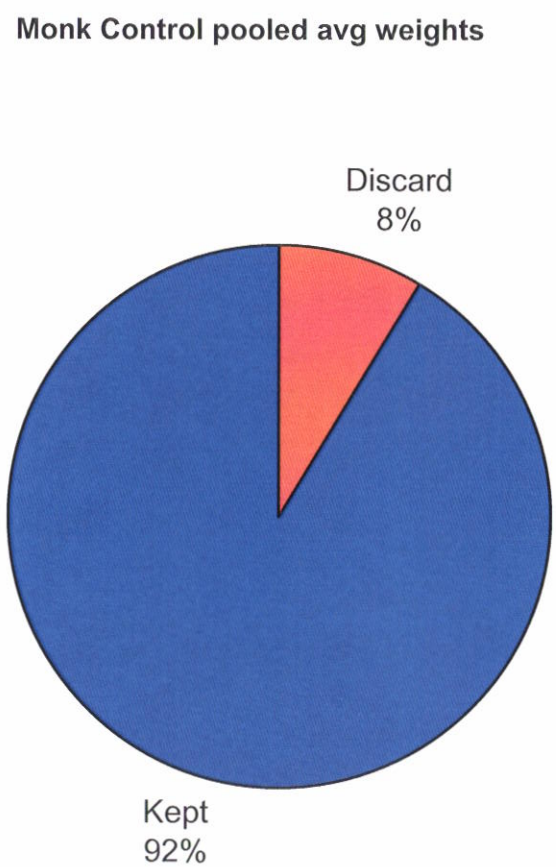


Figure 9 Composition of the monkfish catch according to disposition (kept and discard) for the control and experimental trawls.



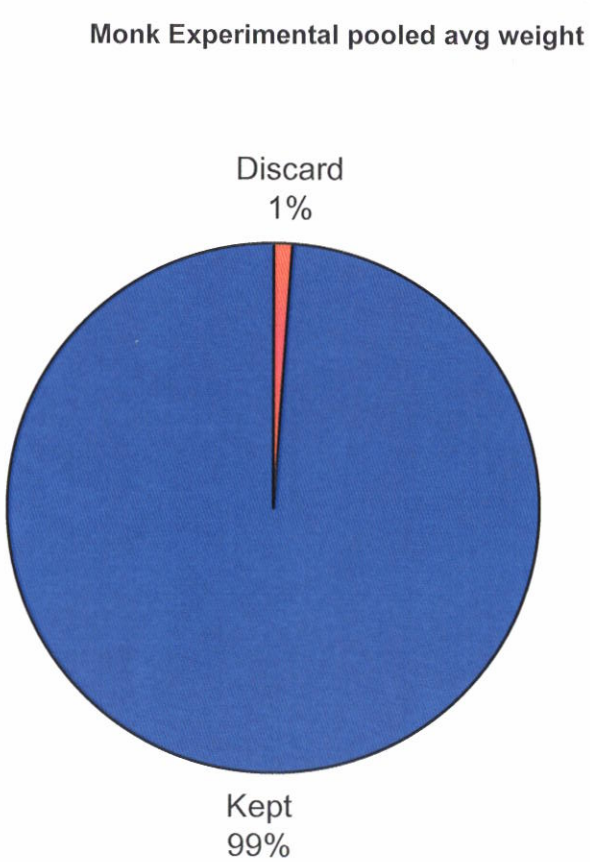
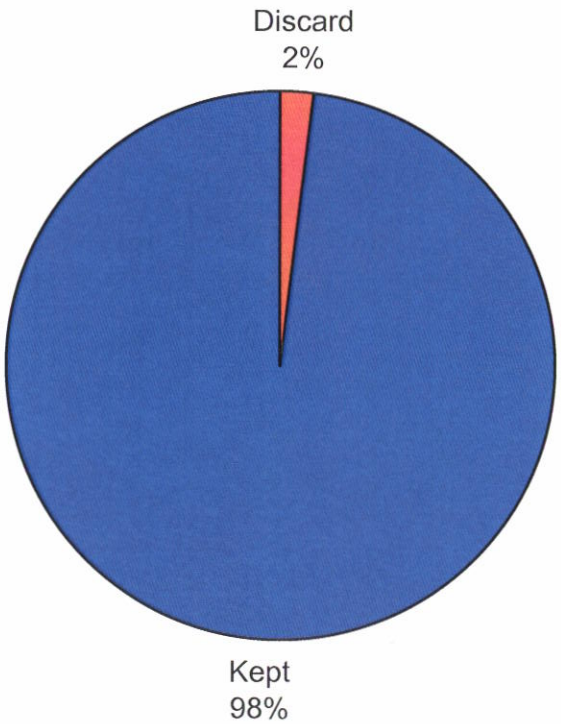


Figure 9b

November Monk Control Pooled avg weights



November Monk Exp Pooled Avg Weights

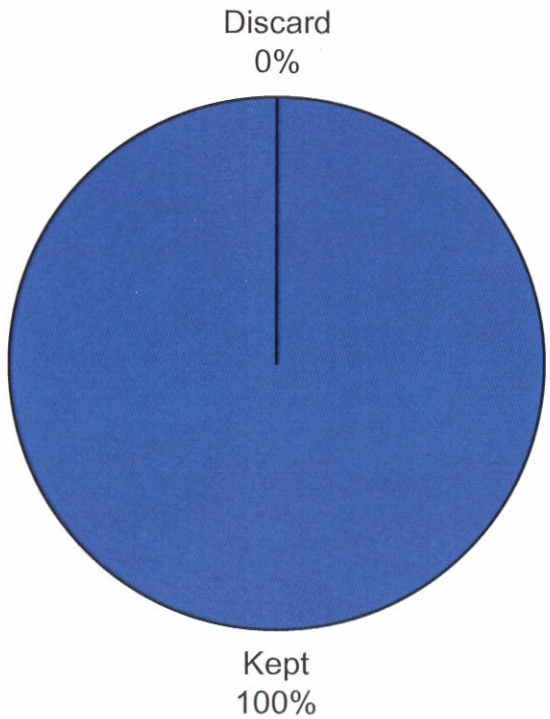
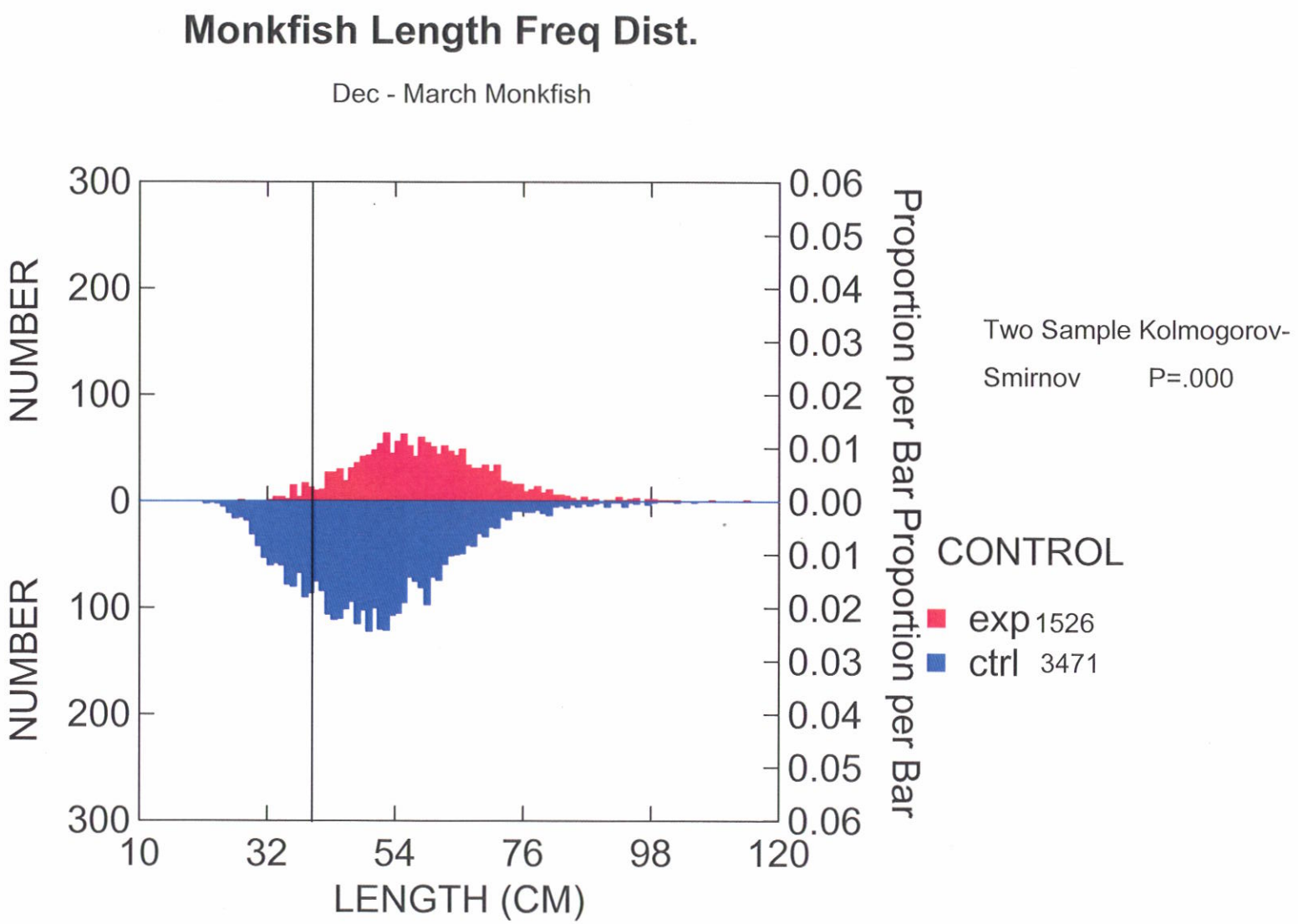
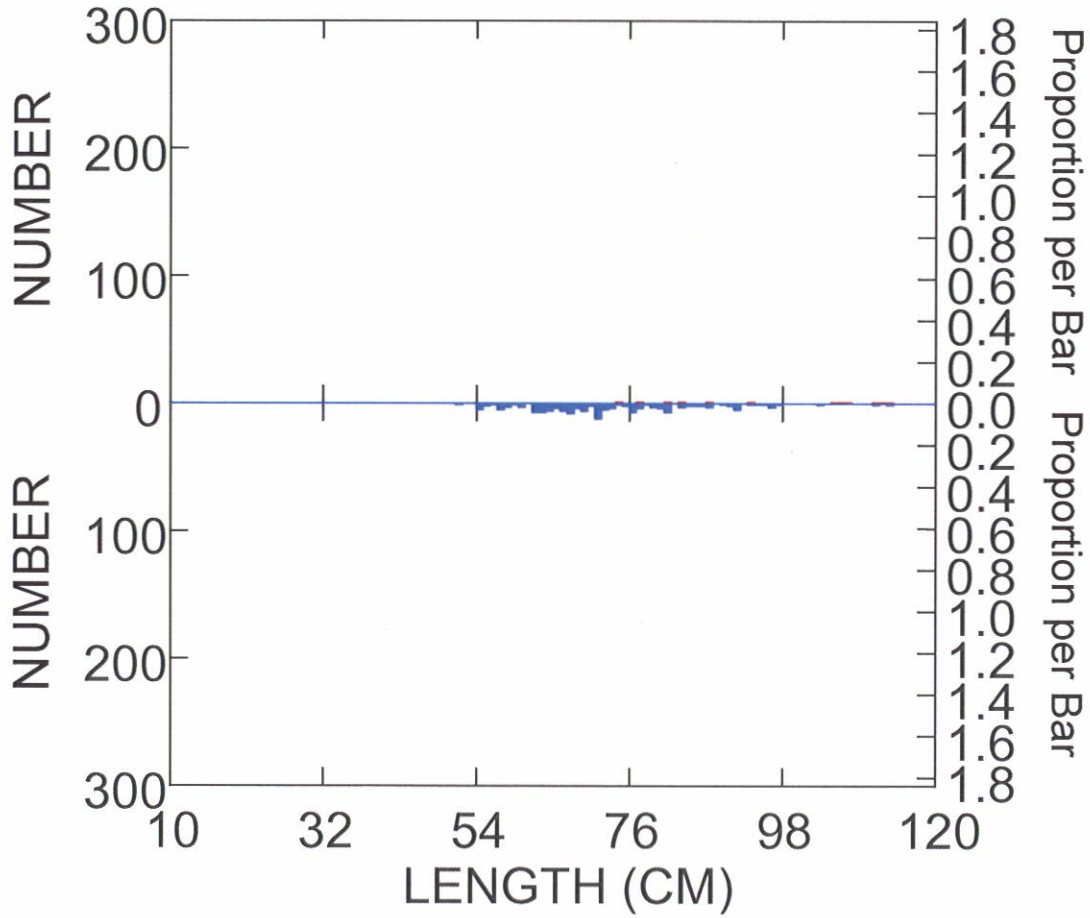


Figure 10 Monkfish length frequency distribution for the control vs. experimental net. The Kolmogorv-Smirnoff Two-Sample test indicated the length frequency distributions for the control and experimental trawls were significantly different.



Cod Length Frequency

Dec - March Cod



Two Sample Kolmogorov-Smirnov P=.000

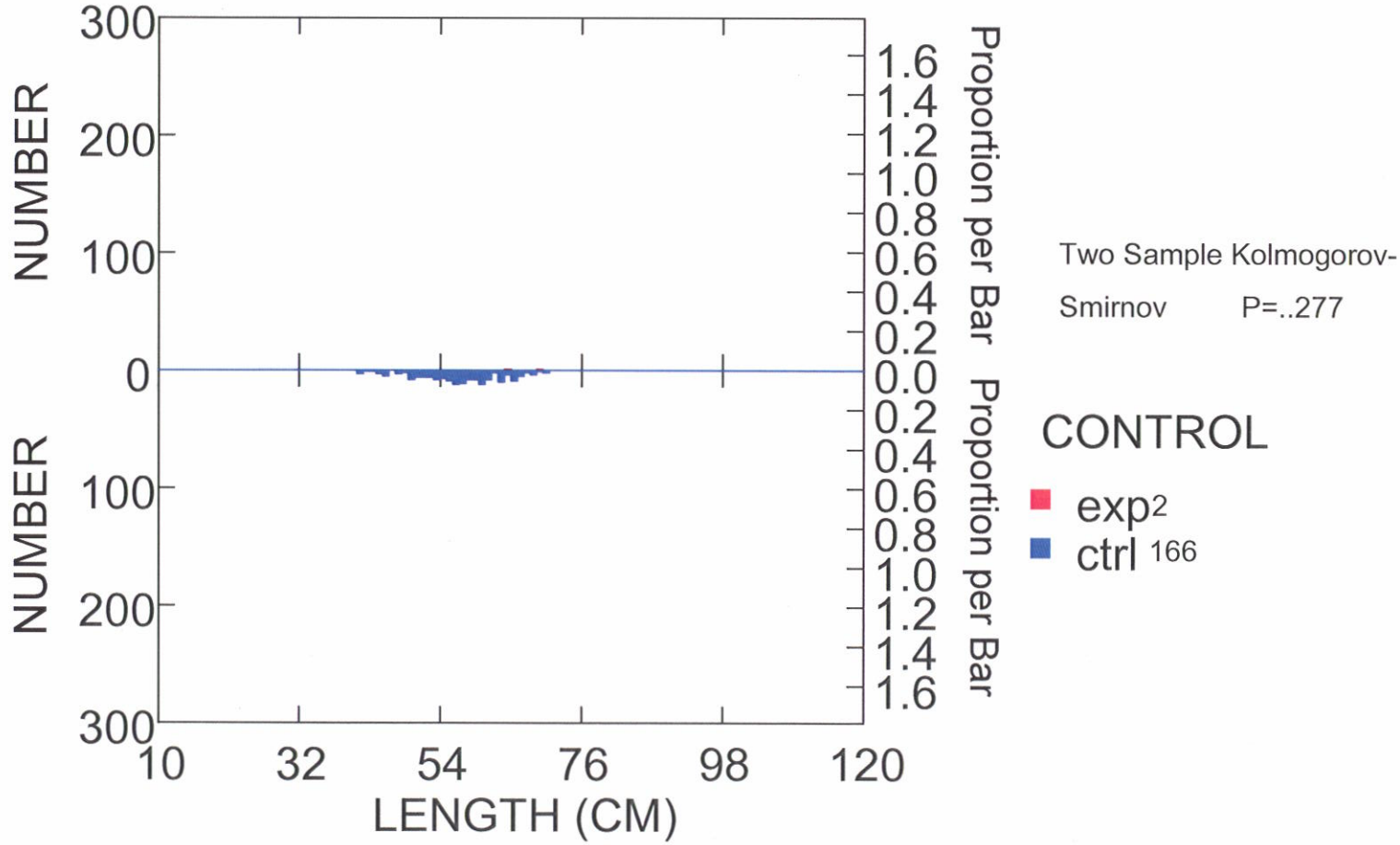
CONTROL

exp 12

ctrl 151

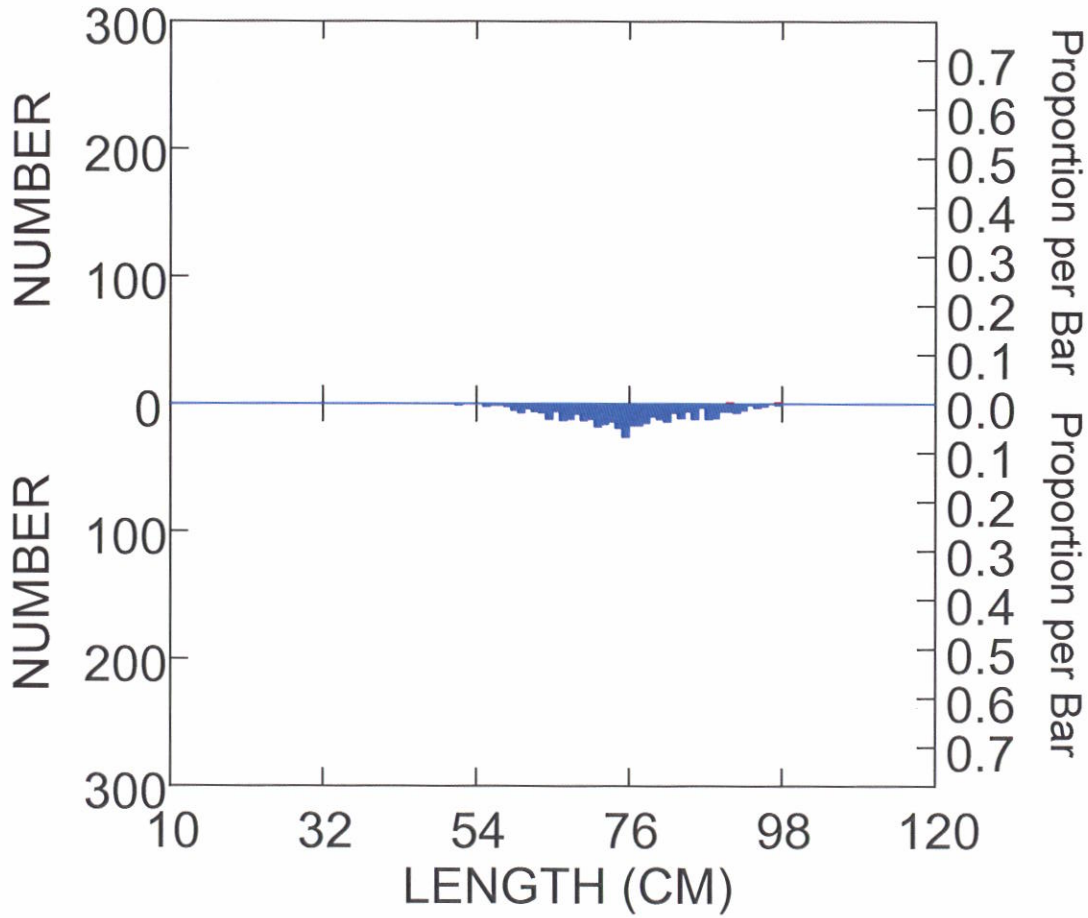
Haddock length frequency

Dec - March Haddock



Pollock length frequency

Dec - March Pollock



Two Sample Kolmogorov-Smirnov P=..099

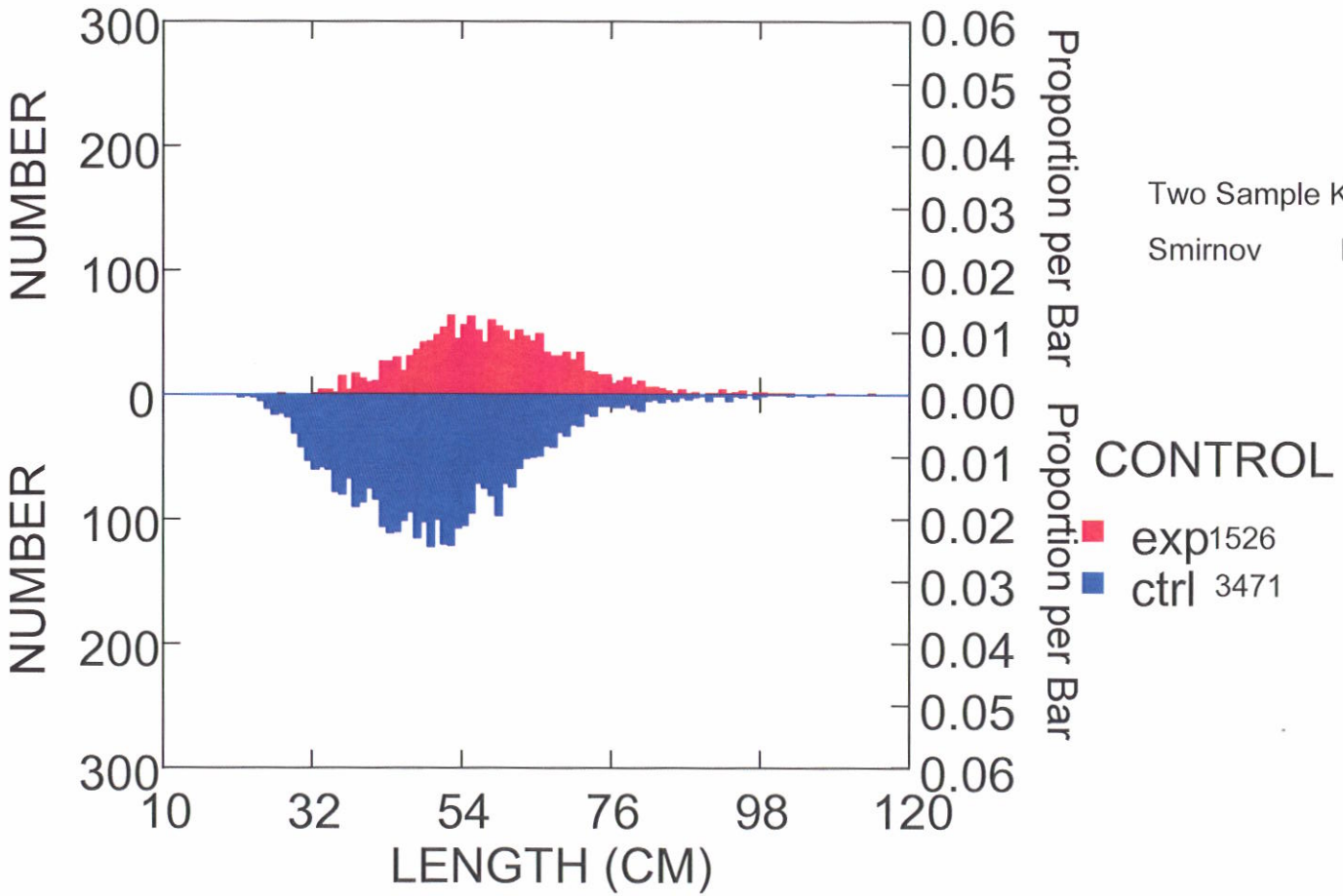
CONTROL

exp 2

ctrl 383

Monkfish length frequency

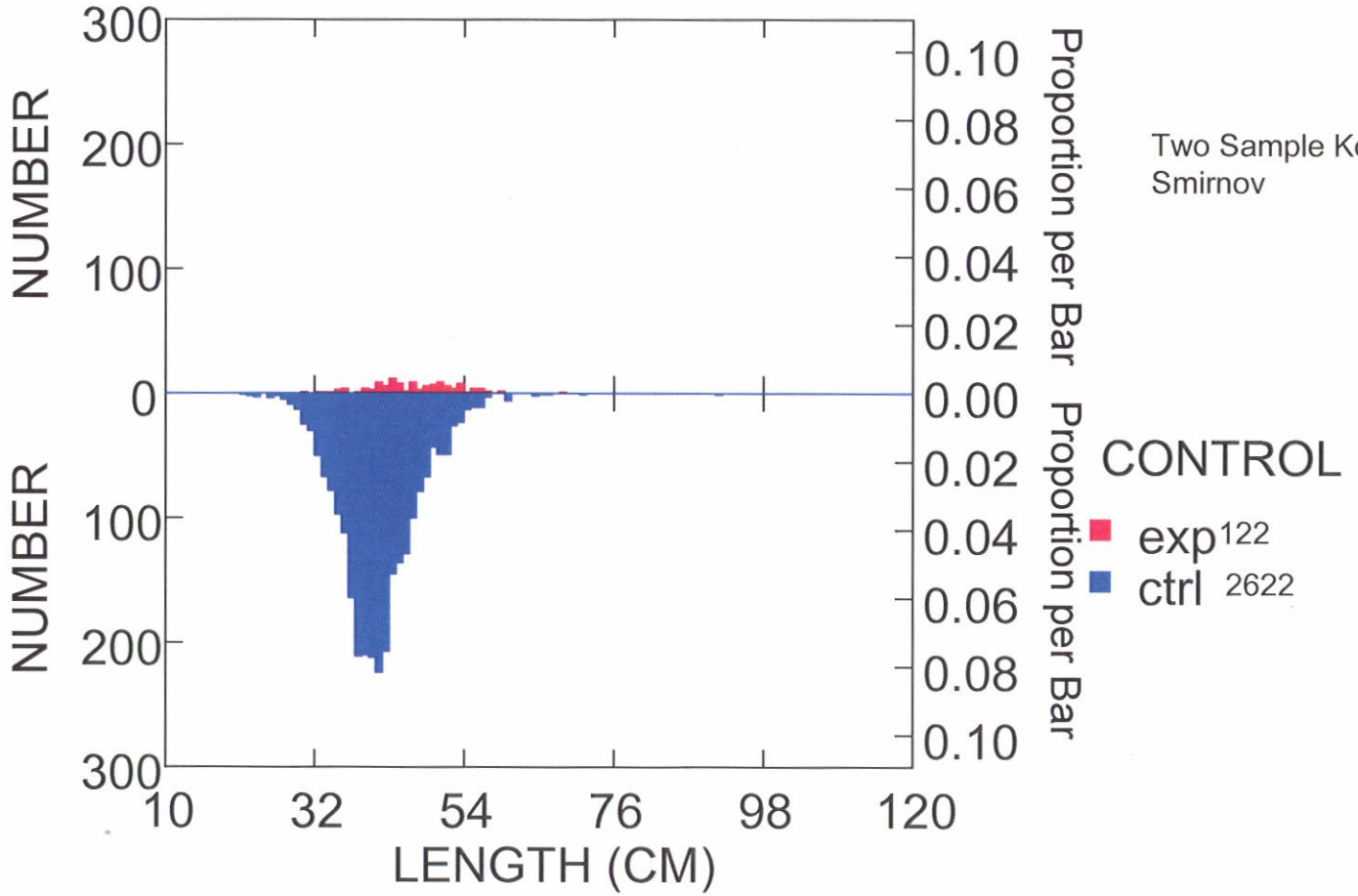
Dec - March Monkfish



Two Sample Kolmogorov-Smirnov P=.000

Dab length frequency

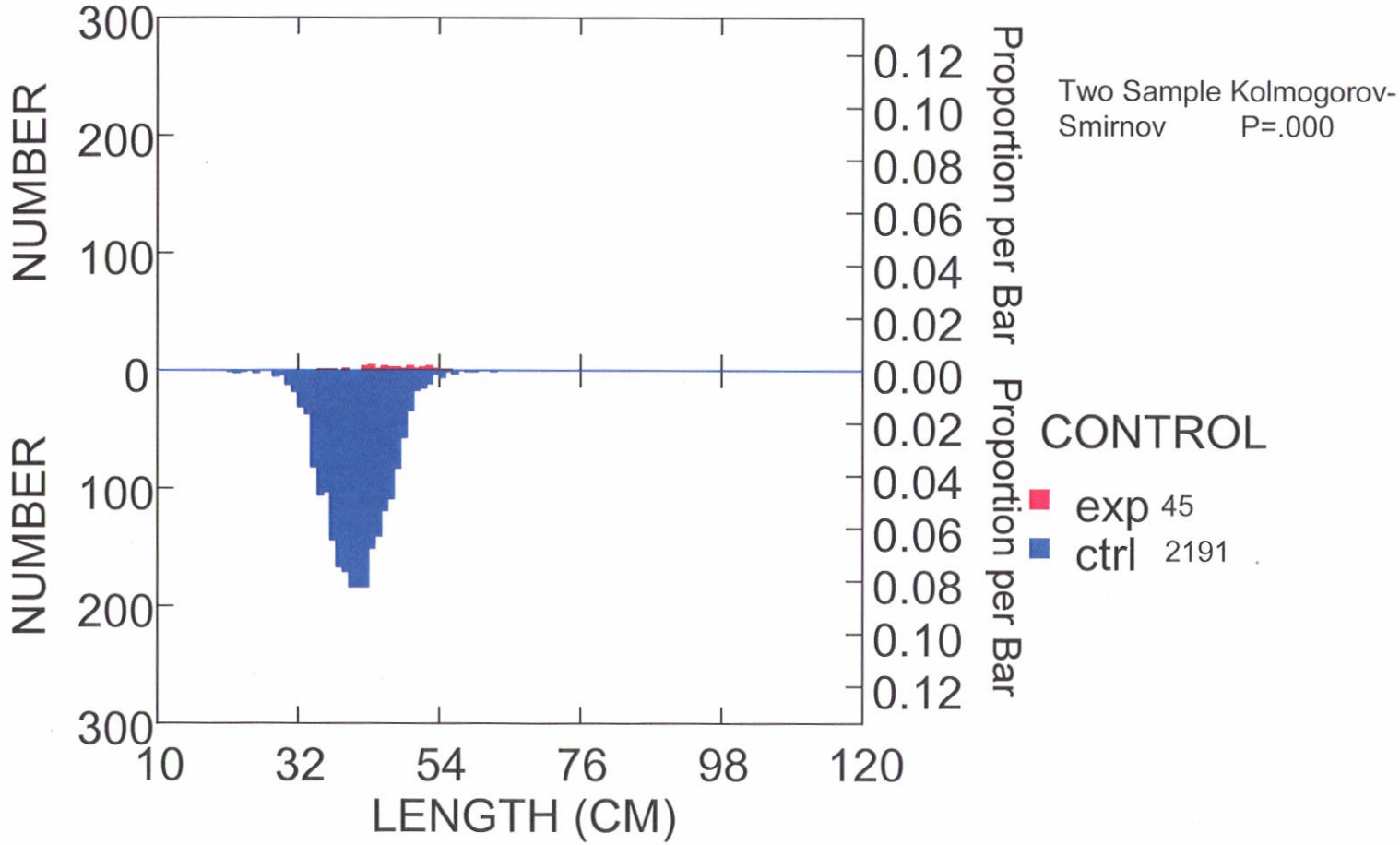
Dec - March Dab



Two Sample Kolmogorov-Smirnov P=.000

Gray Sole length frequency

Dec - March Gray Sole

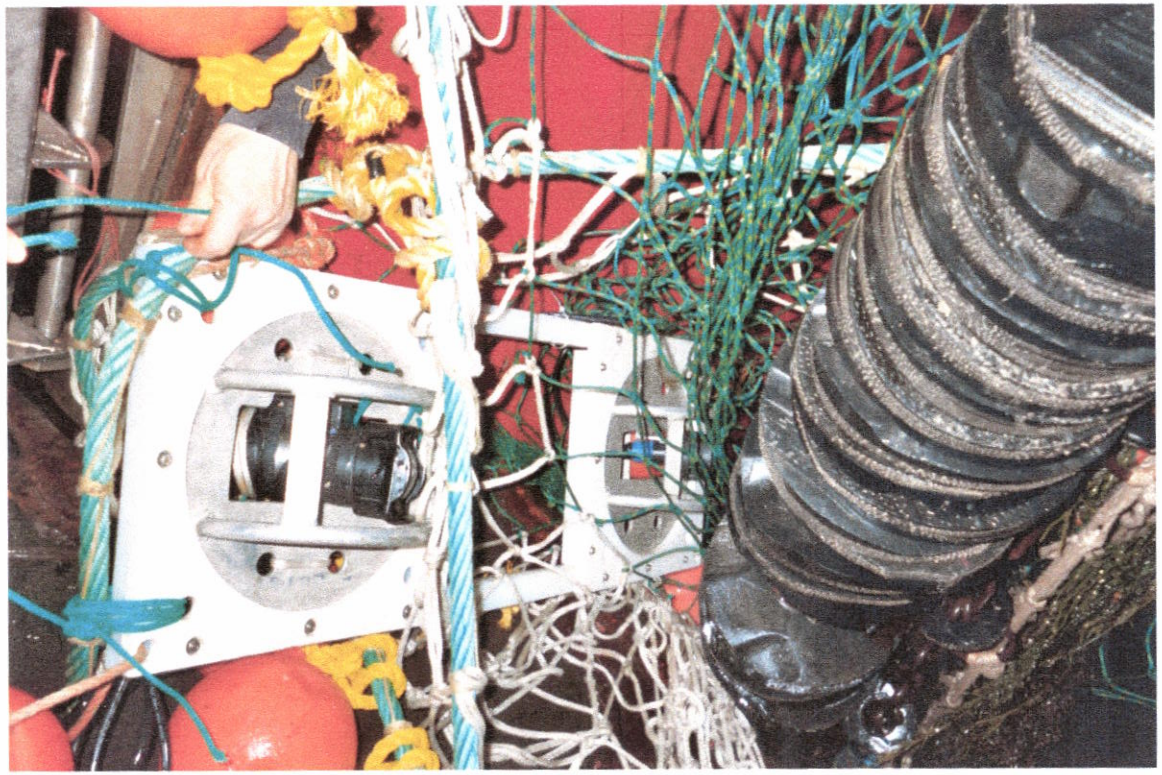


Appendix

Control net codend being hauled on board

Experimental codend, F/V Drake February 2005

Manomet staff measuring catch



Camera system being attached to headrope of experimental net

Camera system being removed after deployment